



# Recombinant Human Lanosterol synthase (LSS)

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| <b>Product Code</b>      | CSB-MP013216HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Uniprot No.</b>       | P48449                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>          | <p>TEGTCLRRR GGPYKTEPAT DLGRWRLNCE RGRQTWTYLQ DERAGREQTG<br/> LEAYALGLDT KNYFKDLPKA HTAFEGALNG MTFYVGLQAE DGHWTGDYGG<br/> PLFLLPGLLI TCHVARIPLP AGYREEIVRY LRSVQLPDGG WGLHIEDKST<br/> VFGTALNYVS LRILGVGPDD PDLVRARNIL HKKGGAVAIP SWGKFWLAVL<br/> NVYSWEGLNT LPPEMWLFPD WAPAH PSTLW CHCRQVYLPM<br/> SYCYAVRLSA AEDPLVQSLR QELYVEDFAS IDWLAQRNNV APDELYTPHS<br/> WLLRVVYALL NLYEHHHSAH LRQRAVQKLY EHIVADDRFT KSIGIPISK<br/> TINMLVRWYV DGPASTAFQE HVSRIPTYLW MGLDGMKMQG TNGSQIWDTA<br/> FAIQALLEAG GHRPEFSSC LQKAHEFLRL SQVPDNPDPY QKYRQMRKG<br/> GFSFSTLDCG WIVSDCTAEA LKAVLLLQEK CPHVTEHIPR ERLCDAVAVL<br/> LNMARNPDGGF ATYETKRGGH LLELLNPSEV FGDIMIDYTY VECTSAVMQA<br/> LKYFHKRFPE HRAAEIRETL TQGLEFCRRQ QRADGSWECS<br/> WGVCFYGTW FGLEAFACMG QTYRDGTACA EVSRACDFLL<br/> SRQMADGGWG EDFESCEERR YLQSAQSQIH NTCWAMMGLM<br/> AVRHPDIEAQ ERGVRCLLEK QLPNGDWPQE NIAGVFNKSC AISYTSYRNI<br/> FPIWALGRFS QLYPERALAG HP</p> |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>      | LSS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Names</b>     | Recommended name: Lanosterol synthase EC= 5.4.99.7 Alternative name(s): 2,3-epoxysqualene--lanosterol cyclase Oxidosqualene--lanosterol cyclase Short name= OSC Short name= hOSC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Expression Region</b> | 2-732                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.