



# Recombinant Pig Hydroxymethylglutaryl-CoA synthase, mitochondrial (HMGCS2)

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| <b>Product Code</b>      | CSB-EP010567PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Uniprot No.</b>       | O02734                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen Species</b> | Sus scrofa (Pig)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequence</b>          | <p>TVP AVPVAKADTW PKDVGILALE VYFPAQYVDQ TDLEKFDNVE</p> <p>AGRYTVGLGQ THMGFCSVQE DINSLCLTVV QRLMERTQLP</p> <p>WDSVGWLEVG TETIDKSKS VKTVLMELFQ DSGNTDIEGI DTTNACYGGT</p> <p>ASLFNAANWV ESSAWDGRYA VVCGDIAVY PRGNSRPTGG</p> <p>AGAVAMLVGP EAPLALERGL RGTHMENAYD FYKPNATSEY PLVDGKLSIQ</p> <p>CYLRALDRCY TLYRQKIEKQ WKQAGIERHF TLDDLQFMIF HTPFCKLVQK</p> <p>SLARLMFSDF LLADSDTQSS LYKGLEAFRG QKLEDYANK DIEKAFQKAS</p> <p>LDLFNKTKP SLYLSLHNGN MYTSSLYGCL ASLLSQCSAQ DLAGSRIGAF</p> <p>SYGSGLAASF YSLRVSQDAS PGSPLEKLVS SVSDLPERLA SRKRVSPEEF</p> <p>TEIMNQREQY YHKVNFTPPG DPNSLFPGTW YLERVDELYR RKYARHLV</p> |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Target Names</b>      | HMGCS2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | <p>Recommended name: Hydroxymethylglutaryl-CoA synthase, mitochondrial</p> <p>Short name= HMG-CoA synthase EC= 2.3.3.10 Alternative name(s): 3-hydroxy-3-methylglutaryl coenzyme A synthase</p>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Expression Region</b> | 38-508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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>        | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>                                                                                                                                                                                                                                                                                                            |