



# Recombinant Human Sclerostin (SOST)

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| <b>Product Code</b>      | CSB-MP858415HU   |
| <b>Abbreviation</b>      | SOST   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | Q9BQB4   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | QGWAQFK NDATEIPEL GEYPEPPPEL ENNKTMNRAE NGGRPPHHPF<br>ETKDVSEYSC RELHFTRYVT DGPCRSAPV TELVCSGQCG PARLLPNAIG<br>RGKWWRPSGP DFRCIPDRYR AQRVQLLCPG GEAPRARKVR<br>LVASCKCKRL TRFHNQSELK DFGTEAARPQ KGRKPRPRAR SAKANQAELE<br>NAY  |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | SOST   |
| <b>Protein Names</b>     | Recommended name: Sclerostin   |
| <b>Expression Region</b> | 24-213   |
| <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>Target Details</b>    | Sclerostin is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain and sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. Loss-of-function mutations in this gene are associated with an autosomal-recessive disorder, sclerosteosis, which causes progressive bone overgrowth. A deletion downstream of this gene, which causes reduced sclerostin expression, is associated with a milder form of the disorder called van Buchem disease. |
| <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.   |



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