

## Sclerostin Recombinant Protein | SOST recombinant protein

Recombinant Human Sclerostin

CATALOG #  
AAA39039HOST  
E Coli

### PRODUCT SYNONYMS

Sclerostin; Recombinant Human Sclerostin; SOST Human; Sclerostin Human Recombinant; SOST; CDD; VBCH; SOST recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification     | Greater than 90.0% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format             | SOST filtered (0.4 um) and lyophilized from 0.5mg/ml in 0.03M Acetate buffer pH-4.0.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence                | MKHHHHH HASQGW QAFKNDAT E IPELGEY PEP PPELENNKTM NRAENGGRPP HHPFETKDVS<br>EYSCRELHFT RYVTDGPCRS AKPVTELVCS GQCGPARLLP NAIGRGKWWR PSGPDFRCIP DRYRAQRVQL<br>LCPGGEAPRA RKVRLVASCK CKRLTRFHNQ SELKDFGTEA ARPQKGRKPR PRARSAKANQ AELENAY. u>                                                                                                                                                                                                                                              |
| Source                  | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Appearance              | Filtered White lyophilized (freeze-dried) powder                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Solubility              | It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 ug/ml. In higher concentrations the solubility of this antigen is limited. SOST is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. |
| Preparation and Storage | Store lyophilized protein at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time; it does not show any change after two weeks at 4 degree C.                                                                                                                                                                                                            |

### ADDITIONAL INFORMATION

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|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SOST recombinant protein | <p><b>Description:</b> SOST Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain (a.a 24-213) containing 200 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 22.8kDa (calculated).</p> <p><b>Introduction:</b> Sclerostin (SOST) 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. Sclerostin functions as a negative regulator of bone growth, by inhibiting bone formation. SOST is widely expressed at low levels, with highest levels in the bone, cartilage, kidney, liver, bone marrow and primary osteoblasts differentiated for 21 days. SOST gene defects cause sclerosteosis and bone dysplasia.</p> |
| Product Categories/Family for SOST recombinant protein   | <a href="#">Recombinant &amp; Natural Proteins</a> ; <a href="#">Recombinant Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 13376846    |
| NCBI GeneID      | 50964       |
| NCBI Accession # | NP_079513.1 |

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_025237.2</a>                     |
| UniProt Accession #              | <a href="#">Q9BQB4</a> ; <a href="#">Q495N9</a> |
| Molecular Weight                 | 24,264 Da                                       |
| NCBI Official Full Name          | sclerostin                                      |
| NCBI Official Synonym Full Names | sclerostin                                      |
| NCBI Official Symbol             | SOST                                            |
| NCBI Official Synonym Symbols    | CDD; VBCH; SOST1                                |
| NCBI Protein Information         | sclerostin                                      |
| UniProt Protein Name             | Sclerostin                                      |
| UniProt Gene Name                | <b>SOST</b>                                     |
| UniProt Entry Name               | SOST_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/sost-recombinant-protein-e-coli/39039>