

Recombinant Mouse Sclerostin/SOST Protein

Catalog No.: RP02845 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	74499	Q99P68

Tags

C-His

Synonyms

SOST;CDD;DAND6;SOST1;VBCH

Product Information

Source	Purification
HEK293 cells	> 95% as determined by reducing SDS-PAGE.

Calculated MW	Observed MW
21.97 kDa	30-45 kDa

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

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.

Basic Information

Description

Recombinant Mouse Sclerostin/SOST Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln24-Tyr211) of mouse Sclerostin/SOST (Accession #NP_077769.4) fused with a His tag at the C-terminus.

Bio-Activity

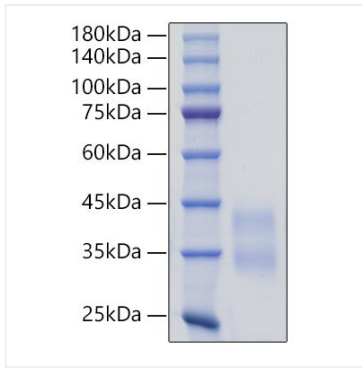
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse Sclerostin/SOST Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 30-45kDa.