

Recombinant Rat Sost protein(Met1-Tyr213), His-tagged

Cat. No. Sost-3326R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SOST (NP_085073.1) (Met 1-Tyr 213) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-213 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit Wnt3a induced alkaline phosphatase production by C3H10 T1/2 cells. The ED50 for this effect is typically 0.1-0.5 µg/mL.
Molecular Mass	The recombinant rat SOST comprises 201 amino acids and predicts a molecular mass of 23 kDa. The apparent molecular mass of the rat SOST is approximately 33 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Sost sclerostin \[Rattus norvegicus \]](#)

Official Symbol [Sost](#)

Synonyms SOST; sclerostin; sclerosteosis;

Gene ID [80722](#)

mRNA Refseq [NM_030584](#)

Protein Refseq [NP_085073](#)

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