

# Human SOST/Sclerostin Protein, Ultra Low Endotoxin



Cat. No. SOT-HM201-UL

Description	
Source	Recombinant Human SOST/Sclerostin Protein is expressed from HEK293 with hFc (IgG1) tag at the N-terminus. It contains Gln24-Tyr213.
Accession	Q9BQB4-1
Molecular Weight	The protein has a predicted MW of 47.05 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

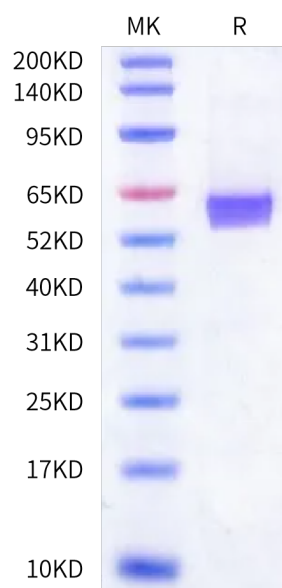
Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Background**

SOST, also known as sclerostin, is a member of the cerberus/DAN family, a group of secreted glycoproteins characterized by a cysteine-knot motif. SOST is negative regulator of bone growth that acts through inhibition of Wnt signaling and bone formation.

## Assay Data

### Bis-Tris PAGE



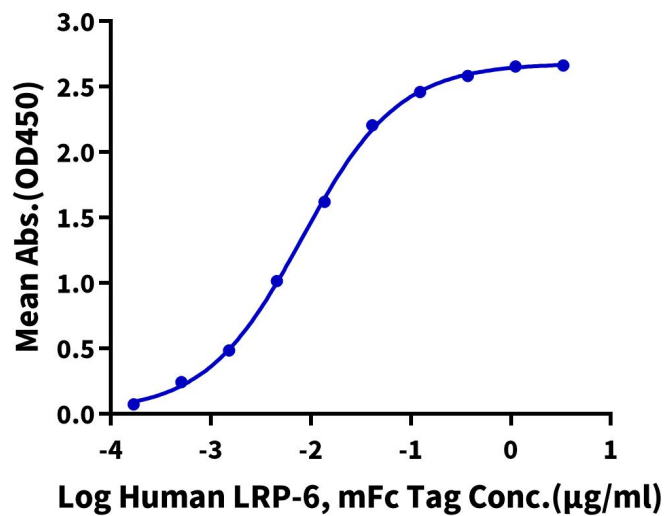
Human SOST on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

Assay Data

### Human SOST, hFc Tag ELISA

0.1µg Human SOST, hFc Tag Per Well



Immobilized Human SOST, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 8.2ng/ml determined by ELISA.