Human SOST/Sclerostin Protein, Ultra Low Endotoxin

Cat. No. SOT-HM101-UL

Description

Source	Recombinant Human SOST/Sclerostin Protein is expressed from HEK293 with His tag at the N-terminus.
	It contains Gln24-Tyr213.
Accession	Q9BQB4-1
Molecular Weight	The protein has a predicted MW of 22.61 kDa. Due to glycosylation, the protein migrates to 32-42 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

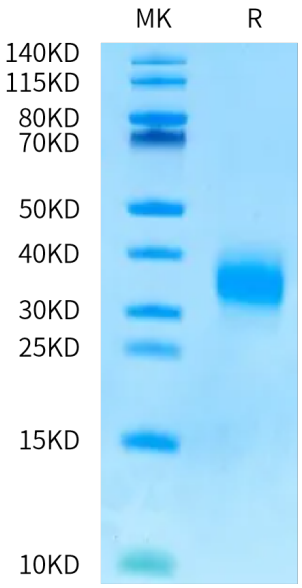
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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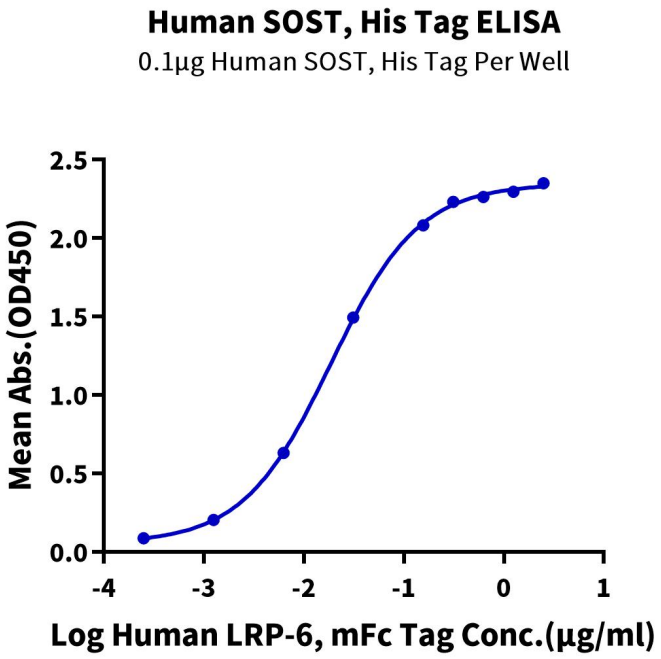
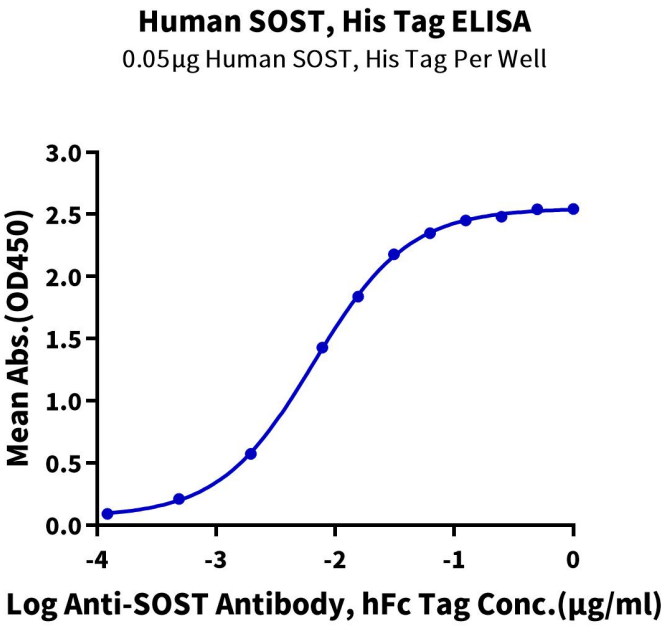
Assay Data



Immobilized Human SOST, His Tag at 1μg/ml(100μl/well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 18.6ng/ml determined by ELISA.



Immobilized Human SOST, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-SOST Antibody, hFc Tag with the EC50 of 6.6ng/ml determined by ELISA.