

Human SOST/Sclerostin Protein

Cat. No. SOT-HM101



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 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

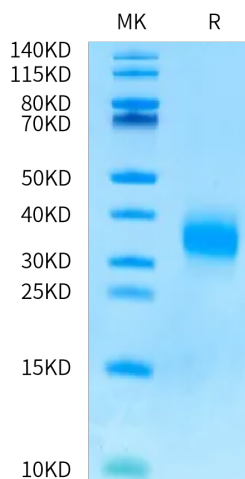
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

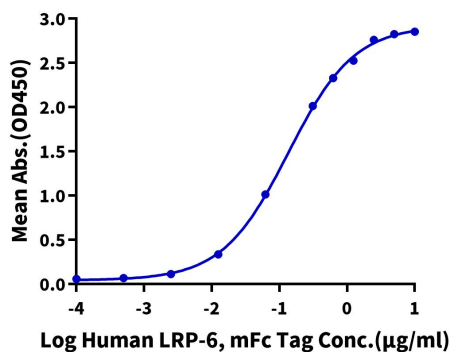


Human SOST on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human SOST, His Tag ELISA

0.1µg Human SOST, His Tag Per Well



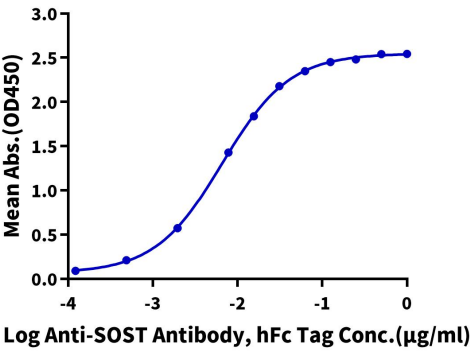
Immobilized Human SOST, His Tag at 1µg/ml(100µl/well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 0.14µg/ml determined by ELISA.

Assay Data

ELISA Data

Human SOST, His Tag ELISA

0.05µg Human SOST, His Tag Per Well



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.