Human SOST/Sclerostin Protein

Cat. No. SOT-HM201

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

Formulation and Storage

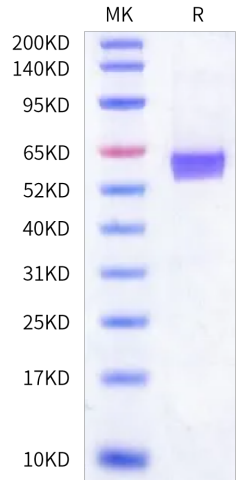
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

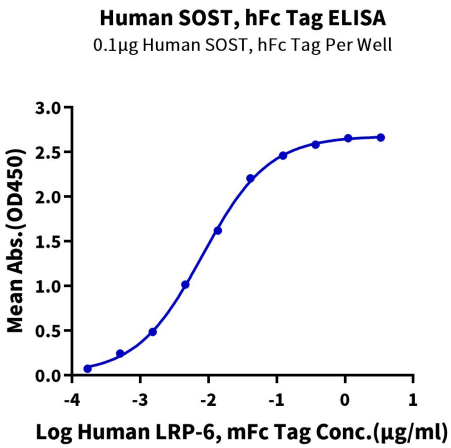
Assay Data

Bis-Tris PAGE



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

ELISA Data



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.