Mouse SOST/Sclerostin Protein

Cat. No. SOT-MM101

Description

Source	Recombinant Mouse SOST/Sclerostin Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Gln24-Tyr211.
Accession	Q99P68
Molecular Weight	The protein has a predicted MW of 22 kDa. Due to glycosylation,the protein migrates to 30-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

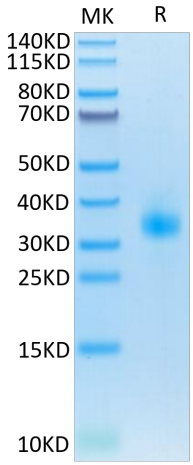
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

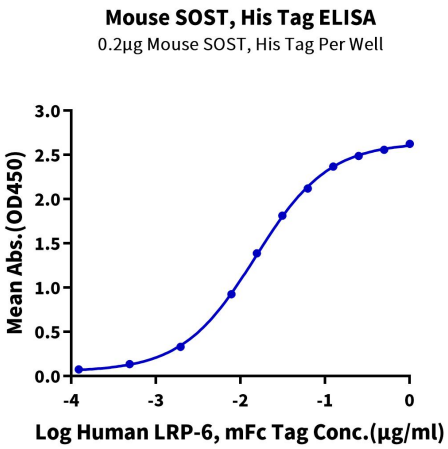
Assay Data

Bis-Tris PAGE



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

ELISA Data



Immobilized Mouse SOST, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 15.0ng/ml determined by ELISA (QC Test).