Biotinylated Mouse SOST/Sclerostin Protein

Cat. No. SOT-MM401B

Description

Source	Recombinant Biotinylated Mouse SOST/Sclerostin Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gln24-Tyr211.
Accession	Q99P68
Molecular Weight	The protein has a predicted MW of 24.04 kDa. Due to glycosylation, the protein migrates to 35-50 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

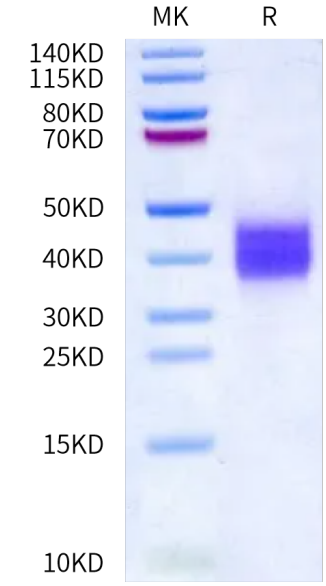
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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



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

ELISA Data

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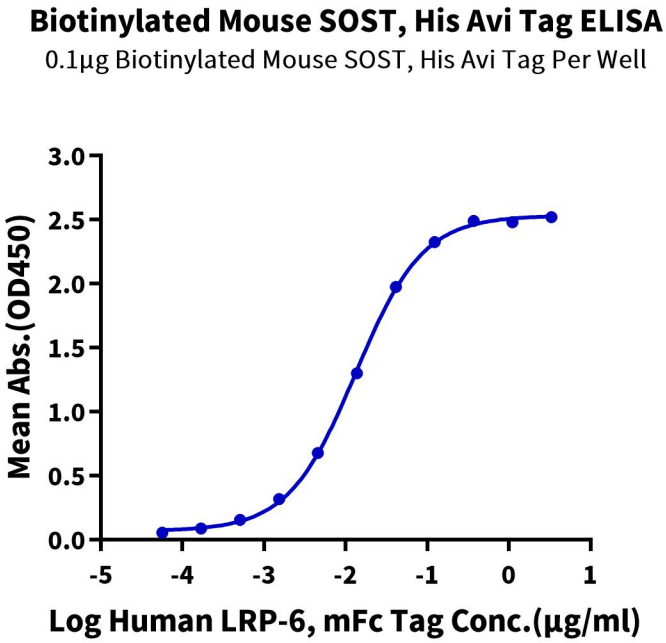
Assay Data



Immobilized Biotinylated Mouse SOST, His Avi Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human LRP-6, mFc Tag with the EC50 of 13.2ng/ml determined by ELISA.

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