

Biotinylated Cynomolgus SOST/Sclerostin Protein

Cat. No. SOT-CM401B



Description

Source	Recombinant Biotinylated Cynomolgus SOST/Sclerostin Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gln69-Tyr258.
Accession	XP_005584428.2
Molecular Weight	The protein has a predicted MW of 24.39 kDa. Due to glycosylation, the protein migrates to 32-38 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
	> 90% as determined by HPLC

Formulation and Storage

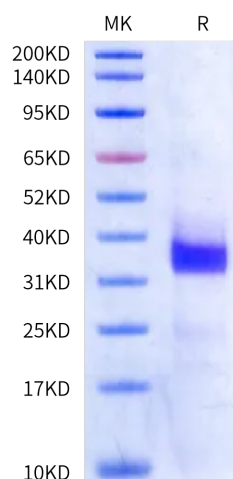
Formulation	Supplied as 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

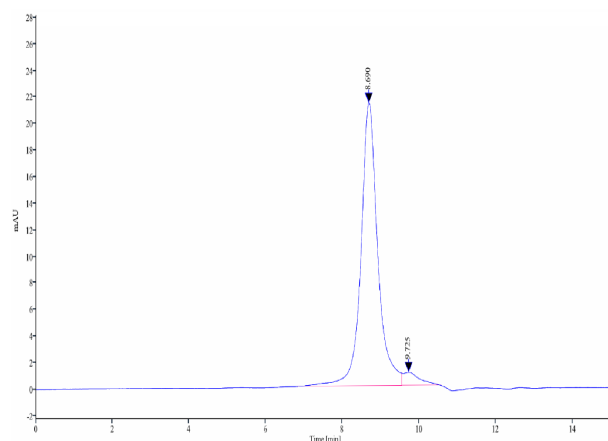
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



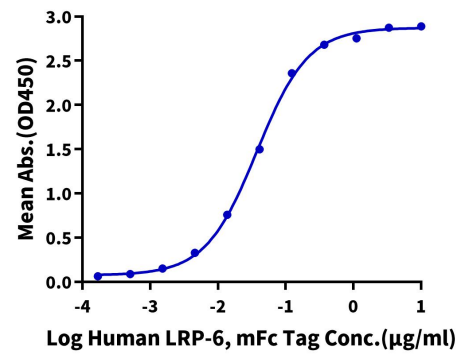
The purity of Biotinylated Cynomolgus SOST is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Cynomolgus SOST, His Avi Tag ELISA

0.1µg Biotinylated Cynomolgus SOST, His Avi Tag Per Well

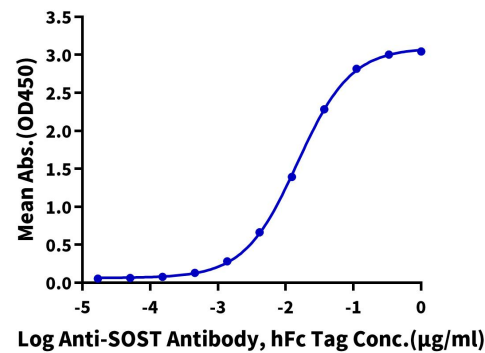


Immobilized Biotinylated Cynomolgus SOST, His Avi Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human LRP-6, mFc Tag with the EC50 of 37.6ng/ml determined by ELISA.

ELISA Data

Biotinylated Cynomolgus SOST, His Avi Tag ELISA

0.05µg Biotinylated Cynomolgus SOST, His Avi Tag Per Well



Immobilized Biotinylated Cynomolgus SOST, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-SOST Antibody, hFc Tag with the EC50 of 15.0ng/ml determined by ELISA.