Cynomolgus SOST/Sclerostin Protein

Cat. No. SOT-CM101

Description

Source	Recombinant Cynomolgus SOST/Sclerostin Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln69-Tyr258.
Accession	XP_005584428.2
Molecular Weight	The protein has a predicted MW of 22.58 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

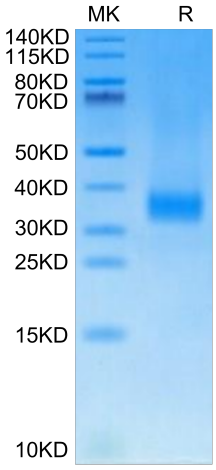
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.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.

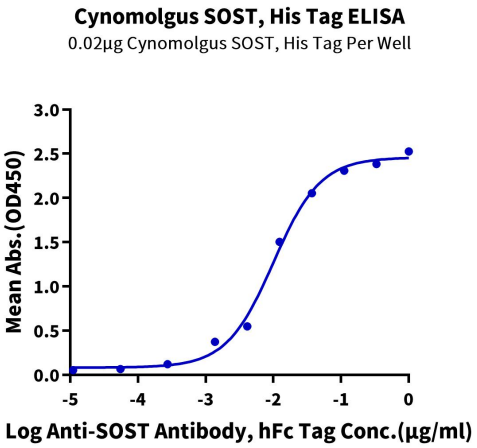
Assay Data

Tris-Bis PAGE



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

ELISA Data



Immobilized Cynomolgus SOST, His Tag at 0.2μg/ml (100μl/Well) on the plate. Dose response curve for Anti-SOST Antibody, hFc Tag with the EC50 of 10.0ng/ml determined by ELISA.