

# Cynomolgus SOST/Sclerostin Protein

Cat. No. SOT-CM101

## Description

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

## Formulation and Storage

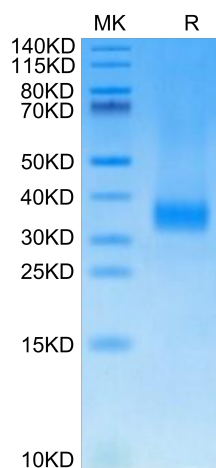
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

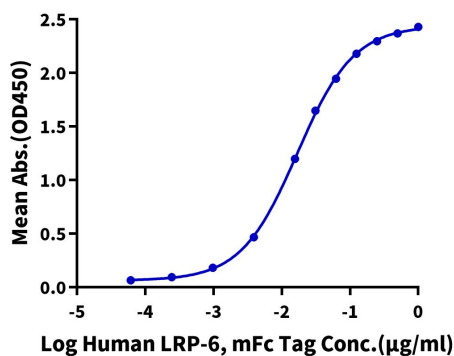


Cynomolgus SOST on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Cynomolgus SOST, His Tag ELISA

0.1 $\mu\text{g}$  Cynomolgus SOST, His Tag Per Well



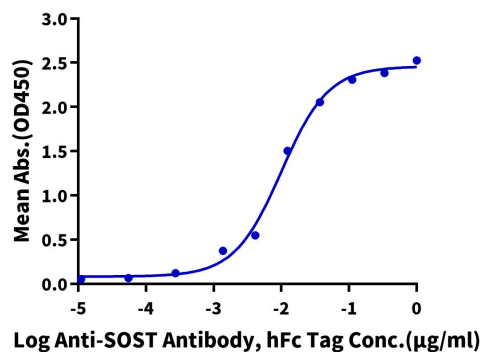
Immobilized Cynomolgus SOST, His Tag at 1 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}$ /well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 16.9ng/ml determined by ELISA (QC Test).

Assay Data

ELISA Data

**Cynomolgus SOST, His Tag ELISA**

0.02µg Cynomolgus SOST, His Tag Per Well



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.