

## SOST Protein, Cynomolgus, Recombinant (His & Avi), Biotinylated

### General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | SOST;CDD;SOST1;VBCH;sclerostin;DAND6;VBCHsclerosteosis                      |
| Protein Construction: | Gln69-Tyr258  |
| Species:              | Cynomolgus  |
| Expression Host:      | HEK293 Cells  |
| Accession:            | XP_005584428.2  |
| Molecular Weight:     | 24.39 kDa (Predicted); 32-38 kDa (Reducing condition, due to glycosylation) |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Immobilized Biotinylated Cynomolgus SOST, His Avi Tag at 1 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Human LRP-6, mFc Tag with the EC50 of 37.6 ng/ml determined by ELISA (QC Test). |
| Purity:              | > 95% as determined by Bis-Tris PAGE  |
| Endotoxin:           | < 1 EU/µg of the protein as determined by the LAL method.   |
| Formulation:         | Supplied as 0.22 µm filtered solution in PBS, 200 mM L-arginine (pH 7.4).   |

### Preparation and Storage

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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