

## SOST Protein, Human, Recombinant (His) V2

### General Information

Synonyms:	VBCH;DAND6;SOST1;CDD;sclerostin
Protein Construction:	Gln24-Tyr213
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9BQB4-1
Molecular Weight:	22.61 kDa (Predicted); 32-42 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Human SOST, His Tag at 1 µg/ml(100 µl/well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 18.6 ng/ml determined by ELISA. (QC Test) Immobilized Human SOST, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-SOST Antibody, hFc Tag with the EC50 of 6.6 ng/ml determined by ELISA.
Purity:	> 95% as determined by Bis-Tris PAGE
Endotoxin:	< 0.1 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481