

## 32-7978: Recombinant Human Sclerostin/SOST (C-6His)(Discontinued)

**Gene :** SOST  
**Gene ID :** 50964  
**Uniprot ID :** Q9BQB4

### Description

Source: Human Cells.  
MW :22.3kD.

Recombinant Human Sclerostin is produced by our Mammalian expression system and the target gene encoding Gln24-Tyr213 is expressed with a 6His tag at the C-terminus. Sclerostin, also known as SOST, is a member of the Cerberus/DAN family of BMP antagonists. SOST is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain. It shows sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. SOST is produced by the osteocyte and has anti-anabolic effects on bone formation. It is a negative regulator of bone growth that acts through inhibition of Wnt signaling and bone formation.

### Product Info

**Amount :** 6His) / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 250mM NaCl, pH 8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** QGWQAFKNDATIEIPELGEYPEPPPELENNKTMNRAENGGRPPHHPFETKDVSEYSCRELHFTRY  
VTDGPCRSAKPVTELVCSGQCGRLLPNAIGRGKWWRPSPGDFRCIPDRYRAQRVQLLCPGGE  
APRARKVRLVASCKCKRLTRFHNQSELKDFGTEAARPQKGRKPRPRARSAKANQAELENAYHHH  
HHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.