

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 : QGWWQAFKNDATEIIPPELGEYPEPPPELENNKTMNRAENGGRRPPHHPFETKDVSEYSCRELHFTRYVTDGPCRSA KPVTELVCSGQCGPARLLPNAIGRGKWWRPSGPDFRCIPDRYRAQRVQLLCPGGEAPRARKVRLVASCKCKRL TRFHNQSELKDFGTEAARPQKGRKPRPRARSAKANQAELENAYHHHHHHH

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 ddH₂O. 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.