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32-13801: SOST Mouse

Format : SOST protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).
Alternative Name : SOST, Sclerostin, 5430411E23Rik.

Description

Source:HEK293 cells.
Physical Appearance:Sterile Filtered colorless solution.
Biological Activitynull
Sclerostin (SOST) is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain and sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein antagonists. Sclerostin functions as a negative regulator of bone growth, by inhibiting bone formation. SOST is expressed mainly in the bone, cartilage, kidney, liver, bone marrow and primary osteoblasts differentiated for 21 days. SOST gene defects cause sclerosteosis and bone dysplasia.
SOST Mouse Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (24-211 a.a) containing 194 amino acids and having a molecular mass of 21.9 kDa.SOST is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	QGWQAFRNDA TEVIPGLGEY PEPPPENNQT MNRAENGGRP PHHPYDAKDV SEYSCRELHY TRFLTDGPCR SAKPVTELVC SGQCGPARLL PNAIGRVKWW RPNGPDFRCI PDRYRAQRVQ LLCPGGAAPR SRKVRLVASC KCKRLTRFHN QSELKDFGPE TARPQKGRKP RPGARGAKAN QAELENAYHH HHHH

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