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32-13447: SOST Human, HEK

Alternative Name : Sclerostin, SOST, CDD, VBCH.

Description

Source: HEK293 Cells.
Filtered White lyophilized (freeze-dried) powder.
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 (BMP) antagonists. Sclerostin functions as a negative regulator of bone growth, by inhibiting bone formation. SOST is widely expressed at low levels, with highest levels in the bone, cartilage, kidney, liver, bone marrow and primary osteoblasts differentiated for 21 days. SOST gene defects cause sclerosteosis and bone dysplasia.
SOST Human Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (a.a 24-213) containing 196 amino acids including a 6 a.a C-terminal His tag. The total molecular mass is 22.4kDa (calculated).Â

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	SOST filtered (0.4 µm) and lyophilized from 0.5mg/ml in PBS and 5 % (w/v) trehalose, pH 7.4. It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. SOST is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.
Amino Acid :	QGWQAFKNDA TEIIPELGEY PEPPPELENN KTMNRAENGG RPPHHPFETK DVSEYSCREL HFTRYVTDGP CRSAKPVTEL VCSGQCGPAR LLPNAIGRGK WWRPSGPDFR CIPDRYRAQR VQLLCPGGEA PRARKVRLVA SCKCKRLTRF HNQSELKDFG TEAARPQKGR KPRPRARSAK ANQAELENAY HHHHHH.

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