9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SOST Human, HEK

Sclerostin Human Recombinant, HEK
RCP2196

Product Overview

Name	SOST Human, HEK

Description

Sclerostin Human Recombinant, HEK

Synonyms

Sclerostin, SOST, CDD, VBCH.

Introduction

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.

Source

HEK293 Cells.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

SOST filtered (0.4 μm) and lyophilized from 0.5mg/ml in PBS and 5 % (w/v) trehalose, pH 7.4.

Stability

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

QGWQAFKNDA TEIIPELGEY PEPPPELENN KTMNRAENGG RPPHHPFETK DVSEYSCREL HFTRYVTDGP CRSAKPVTEL VCSGQCGPAR LLPNAIGRGK WWRPSGPDFR CIPDRYRAQR VQLLCPGGEA PRARKVRLVA SCKCKRLTRF HNQSELKDFG TEAARPQKGR KPRPRARSAK ANQAELENAY HHHHHH .

Solubility

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.

Precautions

SOST Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.