

Recombinant Human SOST Protein, His-tagged

Cat. No. SOST-451H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human SOST protein with His tag was expressed in HEK293.

Species Human

Source HEK293

ProteinLength 213

Description

Sclerostin 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. Loss-of-function mutations in this gene are associated with an autosomal-recessive disorder, sclerosteosis, which causes progressive bone overgrowth. A deletion downstream of this gene, which causes reduced sclerostin expression, is associated with a milder form of the disorder called van Buchem disease.

Form Lyophilized

Molecular Mass 22.5 kDa

AA Sequence

MQLPLALCLVCLLVHTAFRVVEGQGWQAFKNDAT EIIPELGEYPEPPPELENNKTMN
 RAENGGRRPPHHPFETKDVSEYSCRELHFTRYVTDGPCRS AKPVTELVCSGQC GPA
 RLLPNAIGRGKWWRPSPDFRCIPDRYRAQRVQLLCPGGEAPRARKVRLVASCKC
 KRLTRFHNQSELKDFGTEAARPQKGRKPRPRARSAKANQAELENAY

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	SOST sclerostin [Homo sapiens (human)]
Official Symbol	SOST
Synonyms	SOST; sclerostin; sclerosteosis; VBCH;
Gene ID	50964
mRNA Refseq	NM_025237

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Protein Refseq NP_079513

MIM 605740

UniProt ID Q9BQB4

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