

# Recombinant Human SOST Protein, His-tagged, Biotinylated

Cat. No. SOST-450H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant human SOST protein with His tag was expressed in HEK293..
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	213
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	22.5 kDa
<b>AA Sequence</b>	MQLPLALCLVCLLVHTAFRVVEGQGWQAFKNDATEIIPELGEYPEPPPELENNKTMN RAENGGRRPPHHPFETKDVSEYSCRELHFTRYVTDGPCRSAPVTELVCSGQCGPA RLLPNAIGRGKWWRPSPDFRCIPDRYRAQRVQLLCPGGEAPRARKVRLVASCK

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KRLTRFHNQSELKDFGTEAARPQKGRKPRPRARSAKANQAELENAY

**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<sub>2</sub>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.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** [SOST sclerostin \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [SOST](#)

**Synonyms** SOST; sclerostin; sclerosteosis; VBCH;

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Gene ID	50964
mRNA Refseq	NM_025237
Protein Refseq	NP_079513
MIM	605740
UniProt ID	Q9BQB4

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