Recombinant Human SOST Protein, His-tagged

Cat. No. SOST-04H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SOST/Sclerostin (24-213 aa), fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	200
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	Liquid
Molecular Mass	22.7 kDa
AA Sequence	QGWQAFKNDATEIIPELGEYPEPPPELENNKTMNRAENGGRPPHHPFETKDVSEYS CRELHFTRYVTDGPCRSAKPVTELVCSGQCGPARLLPNAIGRGKWWRPSGPDFRC

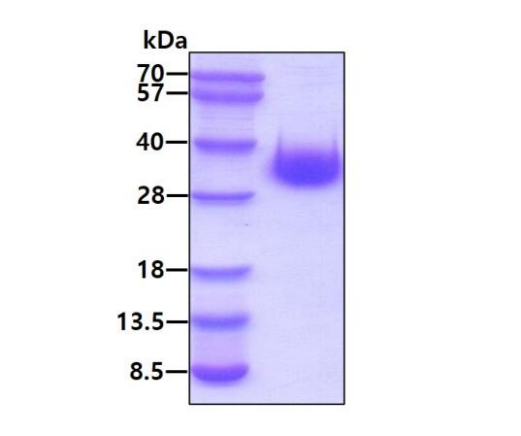
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	IPDRYRAQRVQLLCPGGEAPRARKVRLVASCKCKRLTRFHNQSELKDFGTEAARPQ KGRKPRPRARSAKANQAELENAY
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Bradford assay)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol

GENE INFORMATION

Gene Name	SOST sclerostin [Homo sapiens (human)]
Official Symbol	SOST
Synonyms	SOST; sclerostin; CDD; VBCH; DAND6; SOST1; sclerostin
Gene ID	50964
mRNA Refseq	NM_025237
Protein Refseq	NP_079513
MIM	605740

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UniProt ID	Q9BQB4
SDS-PAGE	 3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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