

## Recombinant Human SOST protein, His & GST-tagged

Cat. No. SOST-8121H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SOST aa. (Gly25~Tyr213 (Accession # Q9BQB4)) fused with N-terminal His & GST tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly25~Tyr213
<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>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 51.4kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>90%

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<b>Characteristic</b>	The isoelectric point is 9.6.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	SOST sclerostin [ Homo sapiens (human) ]
<b>Official Symbol</b>	SOST
<b>Synonyms</b>	CDD; VBCH; DAND6; SOST1; sclerostin
<b>Gene ID</b>	50964
<b>mRNA Refseq</b>	NM_025237.2
<b>Protein Refseq</b>	NP_079513.1

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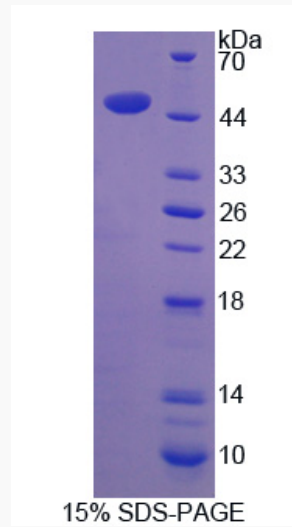
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UniProt ID

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SDS-PAGE



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