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Datasheet for ABIN7535941  
**Sclerostin Protein (SOST) (His tag)**

### Overview

Quantity:	100 µg
Target:	Sclerostin (SOST)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sclerostin protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Rat Sclerostin/SOST Protein
Sequence:	FKNDATEIIP GLREYPEPPQ ELENNQTMNR AENGGRPPHH PYDTKDVSEY SCRELHYTRF VTDGPCRS AK PVTELVCSGQ CGPARLLPNA IGRVKWWRPN GPDFRCIPDR YRAQRVQLLC PGGAAPRSRK VRLVASCKCK RLTRFHNQSE LKDFGPETAR PQKGRKPRPR ARGAKANQAE LENAY
Specificity:	Phe29-Tyr213
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

### Target Details

Target:	Sclerostin (SOST)
Alternative Name:	Sclerostin/SOST ( <a href="#">SOST Products</a> )

## Target Details

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**Background:** 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.

Name: sclerostin,SOST,VBCH,SOST

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**Gene ID:** 80722

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**UniProt:** [Q99P67](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

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**Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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**Buffer:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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**Storage:** -20 °C,-80 °C

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**Storage Comment:** Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.