

## Recombinant Human SORBS3, His-tagged

**Cat. No.** SORBS3-5008H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant human SORBS3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Species**                      Human

**Source**                        E.coli

**Description**                SORBS3 is an SH3 domain-containing adaptor protein. The presence of SH3 domains play a role in this protein's ability to bind other cytoplasmic molecules and contribute to cytoskeletal organization, cell adhesion and migration, signaling, and gene expression. Multiple transcript variants encoding different isoforms have been found for this gene.

**Form**                            Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

**Molecular Mass**            39.1 kDa(352aa), confirmed by MALDI-TOF

**AA Sequence**

MGSSHHHHHH SSGLVPRGSH MGSMADGGSP FLGRRDFVYP SSTRDPSASN  
 GGGSPARREE KKRKAARLKF DFQAQSPKEL TLQKGDIVYI HKEVDKNWLE  
 GEHHGRLGIF PANYVEVLPA DEIPKPIKPP TYQVLEYGEA VAQYTFKGDL  
 EVELSFRKGE HICLIRKVNE NWEYGRITGT GRQGIFPASY VQVSREPLR  
 LCDDGPQLPT SPRLTAAARS ARHPSSPSAL RSPADPIDLG GQTSPRRTGF  
 SFPTQEPRPQ TQNLGTPGPA LSHSRGPSHP LDLGTSSPNT SQIHWTPYRA  
 MYQYRPQNEE ELELREGDRV DVMQQCDDGW FVGVSRRRTQK FGTFPGNYVA PV

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<b>Purity</b>	>90% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

<b>Gene Name</b>	SORBS3 sorbin and SH3 domain containing 3 [ Homo sapiens ]
<b>Official Symbol</b>	SORBS3
<b>Synonyms</b>	SORBS3; sorbin and SH3 domain containing 3; vinexin; SCAM 1; SH3D4; sorbin and SH3 domain-containing protein 3; vinexin beta (SH3-containing adaptor molecule-1); SCAM1; SCAM-1;
<b>Gene ID</b>	10174
<b>mRNA Refseq</b>	NM_001018003
<b>Protein Refseq</b>	NP_001018003
<b>MIM</b>	610795
<b>UniProt ID</b>	O60504
<b>Chromosome Location</b>	8p21.3

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<b>Pathway</b>	Muscle contraction, organism-specific biosystem; Smooth Muscle Contraction, organism-specific biosystem;
<b>Function</b>	protein binding; structural constituent of cytoskeleton; transcription factor binding; vinculin binding;

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