Recombinant Human Syndecan Binding Protein (Syntenin), His-tagged

Cat. No. SDCBP-3367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SDCBP protein, fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography. MW = 34.6kDa(318aa).
Species	Human
Source	E.coli
Description	SDCBP, also known as Syntenin1, is a multifunctional intracellular adapter protein. This protein contains tandemly repeated PDZ domains that react with the FYA (phe-tyr-ala) carboxyterminal amino acid sequence of the syndecans. It is involved in organization of protein complexes in the plasma membranes, regulation of B-cell development, activation of transcription factors, intracellular trafficking and cell-surface targeting, synaptic transmission, and axonal outgrowth.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl, 40% Glycerol.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSLYPSLEDL KVDKVIQAQT AFSANPANPA ILSE ASAPIP HDGNLYPRLY PELSQYMGLS LNEEEIRANVAVVSGAPLQG QLVARPSSIN YMVAPVTGND VGIRRAEIKQ GIREVILCKD QDGKIGLRLK SIDNGIFVQL VQAN SPASLV GLRFGDQVLQINGENCAGWS SDKAHKVLKQ AFGEKITMTI RDRPFERTIT

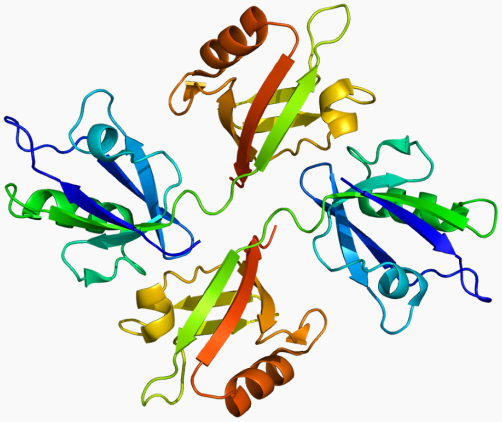
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	MHKDSTGHVG FIFKNGKITS IVKDSSAARN GLLTEHNICE INGQ NVIGLKD SQIADILST SGTVVTITIM PAFIFEHIIK RMAPSIMKSL MDHTIPEV.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Fuction	cytoskeletal adaptor activity; frizzled binding; protein N-terminus binding; interleukin-5 receptor binding; protein heterodimerization activity; syndecan binding
Pathways	Axon guidance

GENE INFORMATION

Gene Name	SDCBP syndecan binding protein (syntenin) [Homo sapiens]
Synonyms	syndecan binding protein (syntenin); ST1; SYCL; MDA-9; TACIP18; SDCBP; syntenin-1; scaffold protein Pbp1; syndecan-binding protein 1; melanoma differentiation associated protein-9; melanoma differentiation-associated protein 9; pro-TGF-alpha cytoplasmic domain-interacting protein 18; Pro-TGF-alpha cytoplasmic domain-interacting protein 18; Scaffold protein Pbp1; Melanoma differentiation-associated protein 9; Syndecan-binding protein 1; MDA9
Gene ID	6386
mRNA Refseq	NM_001007067
Protein Refseq	NP_001007068
MIM	602217
UniProt ID	O00560

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Chromosome Location	8q12
PDB rendering based on 1n99.	

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