

Recombinant Human syndecan binding protein (syntenin) 2, His-tagged

Cat. No. SDCBP2-385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SDCBP2, 1-292 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-292 a.a.
Description	SDCBP2 contains two class II PDZ domains. PDZ domains facilitate protein-protein interactions by binding to the cytoplasmic C-terminus of transmembrane proteins, and PDZ-containing proteins mediate cell signaling and the organization of protein complexes. The protein binds to phosphatidylinositol 4, 5-bisphosphate (PIP2) and plays a role in nuclear PIP2 organization and cell division. Recombinant human SDCBP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	34.0 kDa (315aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSLYPS LEDLKVDQAI QAQVRASPKM PALPVQATAI SPPPVLYPNL AELENYMGLS LSSQEVQESL LQIPEGDSTA VSGPGPGQM V APVTGYSLGV RRAEIKPGVR EIHLCCKDERG KTGLRLRKVD

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QGLFVQLVQA NTPASLVGLR FGDQLQIDG RDCAGWSSHK AHQVVKKASG
DKIVVVVRDR PFQRTVTMHK DSMGHVGFVI KKGKIVSLVK GSSAARNGLL
TNHYVCEVDG QNVIGLKDKK IMEILATAGN VVTLTIPS SV IYEHMVKKLP
PVLLHHTMDH SIPDA

Purity >95% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name SDCBP2 syndecan binding protein (syntenin) 2 [Homo sapiens]

Official Symbol SDCBP2

Synonyms SDCBP2; syndecan binding protein (syntenin) 2; syntenin-2; SITAC18; ST 2; ST-2; SITAC; FLJ12256;

Gene ID 27111

mRNA Refseq NM_001199784

Protein Refseq NP_001186713

UniProt ID Q9H190

Chromosome Location 20p13

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Function

protein C-terminus binding; protein heterodimerization activity; protein homodimerization activity;

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