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**Product Data Sheet**


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Product Name: SDCBP2 Human  
 Cat. No.: GP24510  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SITAC; SITAC18; ST-2; Syntenin-2; Syndecan-binding protein 2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSSLYPS LEDLKVDQAI QAQVRASPKM PALPVQATAI SPPVLYPNL AELENYMGLS LSSQEVQESL LQIPEGDSTA VSGPGPGQMV APVTGYSLGV RRAEIKPGVR EIHLCCKDERG KTGLRLRKVD QGLFVQLVQA NTPASLVGLR FGDQLLQIDG RDCAGWSSHK AHQVVKKASG DKIVVVVRDR PFQRTVTMHK DSMGHVGFVI KKGKIVSLVK GSSAARNGLL TNHVVCEVDG QNVIGLKDKK IMEILATAGN VVTLTIIPSV IYEHMVKKLP PVLLHHTMDH SIPDA.		
Formulation	SDCBP2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

**Introduction**

SDCBP2 has two class II PDZ domains. PDZ domains assist protein-protein interactions by attaching to the cytoplasmic C-terminus of transmembrane proteins, and PDZ-containing proteins mediate cell signaling and the organization of protein complexes. SDCBP2 attaches to phosphatidylinositol 4, 5-bisphosphate (PIP2) and take part in nuclear PIP2 arrangement and cell division.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

SDCBP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 315 amino acids (1-292 a.a.) and having a molecular mass

**Caution: Product has not been fully validated for medical applications. For research use only.**

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of 34.0kDa. SDCBP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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