

## SDCBP2 Human

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

**Catalog #:**PRPS-1304

For research use only.

**Synonyms:**SITAC, SITAC18, ST-2, Syntenin-2, Syndecan-binding protein 2.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMSSLYPS LEDLKVDQAI  
QAQVRASPKM PALPVQATAI SPPVLYPNL AELENYMGLS LSSQEVQESL LQIPEGDSTA  
VSGPGPGQMV APVTGYSLGV RRAEIKPGVR EIHLCCKDERG KTGLRLRKVD QGLFVQLVQA  
NTPASLVGLR FGDQLLQIDG RDCAGWSSHK AHQVVVKASG DKIVVVVRDR PFQRTVTMHK  
DSMGHVG FVI KK

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

SDCBP2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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