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## Product Data Sheet

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Product Name: SDCBP Human  
 Cat. No.: GP24509  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SYCL; syntenin-1; Syndecan-binding protein 1; Scaffold protein Pbp1; MDA-9; Melanoma differentiation-associated protein 9; TACIP18; Pro-TGF-alpha cytoplasmic domain-interacting protein 18.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSLYPSLEDL KVDKVIQAQT AFSANPANPA ILSEASAPIP HDGNLYPRLY PELSQYMGLS LNEEEIRANV AVVSGAPLQG QLVARPSSIN YMVAPVTGND VGIRRAEIKQ GIREVILCKD QDGKIGLRLK SIDNGIFVQL VQANSPASLV GLRFGDQVLQ INGENCAGWS SDKAHKVLKQ AFGEKITMTI RDRPFERTIT MHKDSTGHVG FIFKNGKITS IVKDSSAARN GLLTEHNICE INGQNVIGLK		
Formulation	The SDCBP protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl Buffer (pH 8.0), 100 mM NaCl, and 40% Glycerol.		

### Introduction

SDCBP is a multifunctional intracellular adapter protein. SDCBP protein has tandemly repeated PDZ domains which react with the FYA (phe-tyr-ala) carboxyterminal amino acid sequence of the syndecans. SDCBP is has a role 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.

### 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. Please avoid freeze thaw cycles.

### Background

SDCBP produced in E.Coli is a single, non-glycosylated polypeptide chain containing 318

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

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amino acids (1-298a.a.) and having a molecular mass of 34.6kDa.SDCBP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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