

# Recombinant human SDCBP protein

Catalog Number: ATGP0809

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-298aa

### UniProt No.

O00560

### NCBI Accession No.

NP\_005616

### Alternative Names

Syntenin-1, MDA-9, ST1, SYCL, TACIP18

## PRODUCT SPECIFICATION

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### Molecular Weight

34.6 kDa (318aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 40% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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

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transmission, and axonal outgrowth. Recombinant human SDCBP protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography.

### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> 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 DSQIADILST SGTVVITITIM PAFIFEHIIK RMAPSIMKSL MDHTIPEV

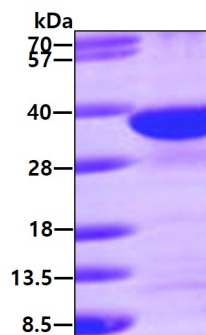
### General References

Lee CH., et al. (2010) *Comp Biochem Physiol C Toxicol Pharmacol.* 152(2):195-201.

Fisher PB., et al (2008) *Cancer Res.* 68(9):3087-93.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.