Recombinant human SDCBP protein

Catalog Number: ATGP0809

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-298aa

UniProt No.
O00560

NCBI Accession No.
NP_005616.2

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

PRODUCT SPECIFICATION

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

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

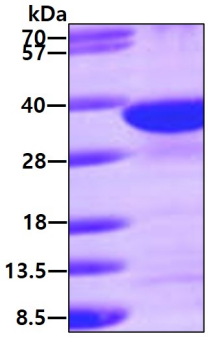
<MGSSHHHHHH SSGLVPRGSH> MSLYPSLEDL KVDKVIQAQT AFSANPANPA ILSEASAPIP HDGNLYPRLY PELSQYMGLS LNEEEIRANV AVVSGAPLQG QLVARPSSIN YMVAPVTGND VGIRRAEIKQ GIREVILCKD QDGKIGLRLK SIDNGIFVQL VQANSPASLV GLRFGDQVLQ INGENCAGWS SDKAHKVLKQ AFGEKITMTI RDRPFERTIT MHKDSTGHVG FIFKNGKITS IVKDSSAARN GLLTEHNICE INGQNVIGLK DSQIADILST SGTVVTITIM 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



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.