Recombinant human Syntenin-2/SDCBP2 protein

Catalog Number: ATGP1824

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-292aa

UniProt No.
Q9H190

NCBI Accession No.
NP_001186713

Alternative Names
Syndecan binding protein, SITAC, SITAC18, ST-2, Syntenin-2, Similar to TACIP18

PRODUCT SPECIFICATION

Molecular Weight
34.0 kDa (315aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity
> 95% by SDS-PAGE

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
SDCBP2 contains two class II PDZ domains. PDZ domains facilitate protein-protein interactions by binding to the cytoplasmic C-terminus of transmembrane proteins, and PDZ-containing proteins mediate cell signaling and the organization of protein complexes. The protein binds to phosphatidylinositol 4, 5-bisphosphate (PIP2) and plays a role in nuclear PIP2 organization and cell division. Recombinant human SDCBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

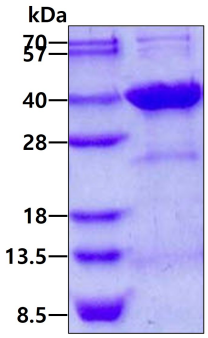
<MGSSHHHHHH SSGLVPRGSH MGS>MSSLYPS LEDLKVDQAI QAQVRASPKM PALPVQATAI SPPPVLYPNL AELENYMGLS LSSQEVQESL LQIPEGDSTA VSGPGPGQMV APVTGYSLGV RRAEIKPGVR EIHLCKDERG KTGLRLRKVD QGLFVQLVQA NTPASLVGLR FGDQLLQIDG RDCAGWSSHK AHQVVKKASG DKIVVVVRDR PFQRTVTMHK DSMGHVGFVI KKGKIVSLVK GSSAARNGLL TNHYVCEVDG QNVIGLKDKK IMEILATAGN VVTLTIIPSV IYEHMVKKLP PVLLHHTMDH SIPDA

General References

Zimmermann,P. (2006) Biochim. Biophys. Acta 1761 (8), 947-956
Koroll,M., (2001) J. Biol. Chem. 276 (14), 10646-10654

DATA

SDS-PAGE



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