

SDCBP, 1-298aa, Human, His tag, E.coli

Cat.NO.: TP03869

3th Edition

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

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 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.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl, 40% Glycerol

Molecular Weight:34.6kDa(318aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSLYPSLEDLKVDKVIQAQTAFSANPANPAILSEASAPIPHDGNLYPRLYPELSQY
MGLSLNEEEIRANVAVVSGAPLQQLVARPSSINYMVAPVTGNDVGIRRAEIKQGIREVILCKDQDGKIGLRLKSIDN
GIFVQLVQANSPASLVGLRFGDQVLQINGENCAGWSSDKAHKVLKQAFGEKITMTIRDRPFERTITMHKDSTGHVG
FIFKNGKITSIVKDSSAARNGLLTEHNICEINGQNVIGLKDSQIADILSTSGTVVTITIMPAFIFEHIKRMAPSIMKSLMD
HTIPEV

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.