

Recombinant Human SDCBP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SDCBP-1038H Lot. No. (See product label)

SPECIFICATION

Product Overview

SDCBP MS Standard C13 and N15-labeled recombinant protein (NP_001007068) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The protein encoded by this gene was initially identified as a molecule linking syndecan-mediated signaling to the cytoskeleton. The syntenin protein contains tandemly repeated PDZ domains that bind the cytoplasmic, C-terminal domains of a variety of transmembrane proteins. This protein may also affect cytoskeletal-membrane organization, cell adhesion, protein trafficking, and the activation of transcription factors. The protein is primarily localized to membrane-associated adherens junctions and focal adhesions but is also found at the endoplasmic reticulum and nucleus. Alternative splicing results in multiple transcript variants encoding different isoforms. Related pseudogenes have been identified on multiple chromosomes.

Molecular Mass

32.4 kDa

AA Sequence

MSLYPSLEDLKVVDKVIQAQTAFSANPANPAILSEASAPIPHDGNLYPRLYPELSQYMG
LSLNEEEIRANVAVVSGAPLQGQLVARPSSINYMVAPVTGNDVGIRRAEIKQGIREVIL
CKDQDGGKIGLRLKSIDNGIFVQLVQANSPASLVGLRFGDQVLQINGENCAGWSSDKA

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HKVLKQAFGEKITMTIRDRPFERTITMHKDSTGHVGFIFKNGKITSIVKDSSAARNGLL
TEHNICEINGQNVIGLKDSQIADILSTSGTVVTITIMPAFIFEHIKRMAPSIMKSLMDHTI
PEVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SDCBP syndecan binding protein [Homo sapiens (human)]

Official Symbol SDCBP

Synonyms SDCBP; syndecan binding protein (syntenin); syntenin-1; SYCL; scaffold protein Pbp1; syndecan-binding protein 1; melanoma differentiation associated protein-9; melanoma differentiation-associated protein 9; pro-TGF-alpha cytoplasmic domain-interacting protein 18; ST1; MDA-9; TACIP18;

Gene ID 6386

mRNA Refseq NM_001007067

Protein Refseq NP_001007068

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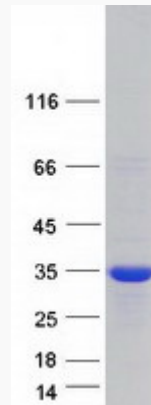
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MIM 602217

UniProt ID O00560

SDS-PAGE



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