

Recombinant Human SH3BP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SH3BP1-6432H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SH3BP1 MS Standard C13 and N15-labeled recombinant protein (NP_061830) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Rho GTPase activating protein (RhoGAP) family. The encoded protein regulates Rac signaling and plays a role in cytoskeletal dynamics, cell motility and epithelial junction formation. This protein's association with the exocyst complex, which tethers secretory vesicles to the plasma membrane, has been demonstrated to be important in cell motility. In a distinct complex, this protein has been shown to regulate epithelial junction formation and morphogenesis. By interacting with the Plexin-D1 cell surface receptor, this protein mediates changes in the cytoskeleton in response to semaphorin binding. This protein may promote metastasis in human liver cancer cells and tissues.
Molecular Mass	75.5 kDa
AA Sequence	MMKRQLHRMRQLAQTGSLGRTPETAFLGEDLLQVEQRLEPAKRAAHNIHKRLQA CLQGQSGADMDKRVKKLPLMALSTTMAESFKELDPDSSMGKALEMSCAIQNQLARI LAEFEMTLERDVLQPLSRLSEEELPAILKHKSLQKLVS DWNTLKSRLSQATKN SGS SQGLGGSPGSHSHTTMANKVETLKEEEEEELKRKVEQCRDEYLADLYHFVTKEDSYA

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NYFIRLLEIQADYHRRSLSSLDTALAELRENHGQADHSPSMTATHFPRVYGVSLATH
 LQELGREIALPIEACVMMLLSEGMKEEGLFRLAAGASVLKRLKQTMASDPHSLEEFC
 SDPHAVAGALKSYLRELPEPLMTFDLYDDWMRAASLKEPGARLQALQEVC SRLPPE
 NLSNRLRYLMKFLARLAEQEVNKMTPSNIAIVLGNLLWPPEKEGDQAQLDAASVSS
 IQVVGVEALIQSADTLFPGDINFNVSGLFSAVTLQDTVSDRLASEELPSTAVPTPATT
 PAPAPAPAPAPALASAATKERTESEVPPRPASPKVTRSPPETAAPVEDMARRTK
 RPAPARPTMPPPQVSGSRSSPPAPPLPPGSGSPGTPQALPRRLVGSSLRAPTVP
 LPPTPPQPARRQSRSPASPSASPGPASPSVLSNPAQVDLGAATAEGGAPEAI
 SGVPTPPAIPPQPRPRSLASETNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SH3BP1 SH3-domain binding protein 1 [Homo sapiens (human)]

Official Symbol SH3BP1

Synonyms SH3BP1; SH3-domain binding protein 1; SH3 domain-binding protein 1; ARHGAP43; 3BP-1; SH3 domain binding protein 1;

Gene ID 23616

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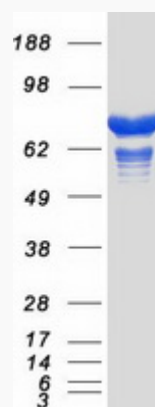
mRNA Refseq NM_018957

Protein Refseq NP_061830

MIM 617368

UniProt ID Q9Y3L3

SDS-PAGE



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