Recombinant Human G3BP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. G3BP1-2051H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	G3BP1 MS Standard C13 and N15-labeled recombinant protein (NP_938405) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of the DNA-unwinding enzymes which prefers partially unwound 3'-tailed substrates and can also unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. This enzyme is a member of the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. It binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Molecular Mass	52.1 kDa
AA Sequence	MVMEKPSPLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSYVHGGLDSNGKPADAV YGQKEIHRKVMSQNFTNCHTKIRHVDAHATLNDGVVVQVMGLLSNNNQALRRFMQ TFVLAPEGSVANKFYVHNDIFRYQDEVFGGFVTEPQEESEEEVEEPEERQQTPEVV PDDSGTFYDQAVVSNDMEEHLEEPVAEPEPDPEPEPEQEPVSEIQEEKPEPVLEET APEDAQKSSSPAPADIAQTVQEDLRTFSWASVTSKNLPPSGAVPVTGIPPHVVKVPA

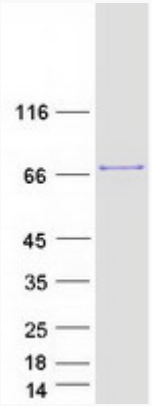
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	SQPRPESKPESQIPPQRPQRDQRVREQRINIPPQRGPRPIREAGEQGDIEPRRMVR HPDSHQLFIGNLPHEVDKSELKDFFQSYGNVVELRINSGGKLPNFGFVVLDDSEPVQ KVLSNRPIMFRGEVRLNVEEKKTRAAREGDRRDNRLRGPGGPRGGLGGGMRGPP RGGMVQKPGFGVGRGLAPRQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined 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	G3BP1 G3BP stress granule assembly factor 1 [Homo sapiens (human)]
Official Symbol	G3BP1
Synonyms	G3BP1; GTPase activating protein (SH3 domain) binding protein 1; ras GTPase-activating protein-binding protein 1; G3BP; HDH VIII; Ras GTPase activating protein SH3 domain binding protein; G3BP-1; GAP binding protein; ATP-dependent DNA helicase VIII; GAP SH3 domain-binding protein 1; RasGAP-associated endoribonuclease G3BP; Ras-GTPase-activating protein SH3-domain-binding protein; HDH-VIII; MGC111040;
Gene ID	10146

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mRNA Refseq	NM_198395
Protein Refseq	NP_938405
MIM	608431
UniProt ID	Q13283
SDS-PAGE	

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