

Recombinant Full Length Human G3BP1 Protein, GST-tagged

Cat. No. G3BP1-5119HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human G3BP full-length ORF (NP_005745.1, 1 a.a. - 466 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	466 amino acids
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. [provided by RefSeq]
Molecular Mass	78.6 kDa
AA Sequence	MVMEKPSPLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSYVHGGGLDSNGKPADAV YGQKEIHRKVMSQNFNTNCHTKIRHVDAHATLNDGVVVQVMGLLSNNNQALRRFMQ TFVLAPEGSVANKFYVHNDIFRYQDEVFGGFVTEPQEESEEEVEEPEERQQTPEVV PDDSGTFYDQAVVSNDMEEHLEEPVAEPEPDPEPEPEQEPVSEIQEEKPEPVLEET APEDAQKSSSPAPADIAQTVQEDLRTFSWASVTSKNLPPSGAVPVTGIPPHVVKVPA

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SQPRPESKPESQIPPQRPQRDQRVREQRINIPPQRGPRPIREAGEQGDIEPRRMVR
 HPDSHQLFIGNLPHEVDKSELKDFQSYGNVVELRINSGGKLPNFGFVVFDDSEPVS
 KVLSNRPIPMFRGEVRLNVEEKKTRAAREGDRRDNRRLRGPGGPRGGLGGGMRGPP
 RGGMVQKPGFGVGRGLAPRQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name G3BP1 GTPase activating protein (SH3 domain) binding protein 1 [Homo sapiens]

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_005754
Protein Refseq	NP_005745
MIM	608431
UniProt ID	Q13283

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