

Recombinant Full Length Human G3BP1 Protein, C-Flag-tagged

Cat. No. G3BP1-766HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human G3BP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	52 kDa
AA Sequence	MVMEKPSPLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSYVHGGLDSNGKPADAV YGQKEIHRKVMSQNF TNCHTKIRHVDAHATLNDGVVVQVMGLLSNNNQALRRFMQ TFVLAPEGSVANKFYVHNDIFRYQDEVFGG FVTEPQEESEEEVEEPEERQQTPEVV PDDSGTFYDQAVVSNDMEEHLEEPVAEPEPDPEPEPEQEPVSEI QEEKPEPVLEET

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APEDAQKSSSPAPADIAQTVQEDLRTFSWASVTSKNLPPSGAVPVTGIPPHVVKVPA
 S QPRPESKPESQIPPQRPQRDQVRVREQRINIPPQRGPRPIREAGEQGDIERRMVR
 HPDSHQLFIGNLPHE VDKSELKDFFQSYGNVVELRINSGGKLPNFGFVVFDDSEPV
 QKVLNRPIMFRGEVRLNVEEKKTRAARE
 GDRRDNRLRGPGGPRGGLGGGMRGPPRGGMVQKPGFGVGRGLAPRQTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

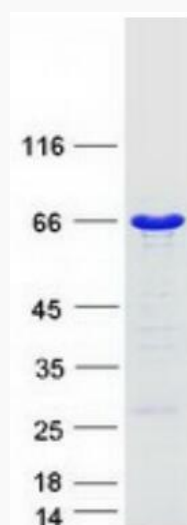
Gene Name	G3BP1 G3BP stress granule assembly factor 1 [Homo sapiens (human)]
Official Symbol	G3BP1
Synonyms	G3BP; HDH-VIII

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Gene ID	10146
mRNA Refseq	NM_005754.3
Protein Refseq	NP_005745.1
MIM	608431
UniProt ID	Q13283



Coomassie blue staining of purified G3BP1 protein.