

Product datasheet for PH310616

G3BP (G3BP1) (NM_198395) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	G3BP1 MS Standard C13 and N15-labeled recombinant protein (NP_938405)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210616
Predicted MW:	52.1 kDa
Protein Sequence:	>RC210616 protein sequence Red =Cloning site Green =Tags(s)

MVMEKPSPLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSYVHGGLDSNGKPADAVYGQKEIHRKVMQSNF
 TNCHTKIRHVDAHATLNDGVVVQVMGLLSNNQALRRFMQTFVLAPEGSVANKFYVHNDIFRYQDEVFGG
 FYTEPQEESEEEVEEPEERQQTPEVVPDDSGTFYDQAVVSNDMEEHLEEPVAEPEPDPEPEPEQEPVSEI
 QEEKPEPVLEETAPEDAQKSSSPAPADIAQTVQEDLRTFSWASVTSKNLPPSGAVPVTGIPPHVVKVPAS
 QRPESKPESQIPQRPQRDQVRVREQRINIPPQRGPRPIREAGEQGDIEPRRMVRHPDSHQLFIGNLPHE
 VDKSELKDFQSYGNVVELRINSGGKLPNFGFVVLDDSEPQKVLNRPIMFRGEVRLNVEEKKTRAARE
 GDRRDNRRLRGGPRGGLGGGMRGPPRGGMVQKPGFGVGRGLAPRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_938405</u>
RefSeq Size:	2824
RefSeq ORF:	1398
Synonyms:	G3BP; HDH-VIII


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Locus ID: 10146

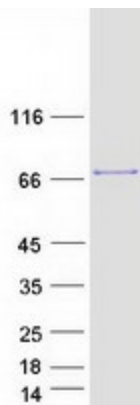
UniProt ID: [Q13283](#), [Q5U0Q1](#), [Q6ZP53](#)

Cytogenetics: 5q33.1

Summary: 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, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified G3BP1 protein (Cat# [TP310616]). The protein was produced from HEK293T cells transfected with G3BP1 cDNA clone (Cat# [RC210616]) using MegaTran 2.0 (Cat# [TT210002]).