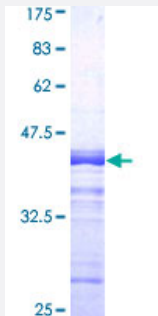


# G3BP (Human) Recombinant Protein (Q01)

Catalog # H00010146-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human G3BP partial ORF ( AAH06997, 214 a.a. - 303 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	KPEPVLEETAPEDAQKSSSPAPADIAQTVQEDLRTFSWASVTSKNLPPSGAVPVTGIPPHVVKV PASQPRPESKPESQIPPQRPQRDQRV
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.53
<b>Interspecies Antigen Sequence</b>	Mouse (93); Rat (93)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

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

## Gene Info — G3BP1

Entrez GeneID [10146](#)

GeneBank Accession# [BC006997](#)

Protein Accession# [AAH06997](#)

Gene Name G3BP1

Gene Alias G3BP, HDH-VIII, MGC111040

Gene Description GTPase activating protein (SH3 domain) binding protein 1

Omim ID [608431](#)

Gene Ontology [Hyperlink](#)

**Gene 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]

**Other Designations** GAP binding protein|OTTHUMP00000160618|Ras-GTPase-activating protein SH3-domain-binding protein|RasGAP-associated endoribonuclease G3BP