

G3BP1 recombinant protein

G3BP1, 1-466aa, Human, His tag, E Coli

CATALOG # AAA48665	HOST E Coli	APPLICATIONS SDS-Page
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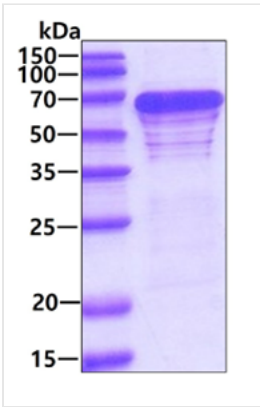
PRODUCT SYNONYMS

G3BP1; 1-466aa; Human; His tag; E Coli; G3BP stress granule assembly factor 1; GTPase activating protein (SH3 domain) binding protein 1; Ras-GTPase-activating protein SH3-domain-binding protein; DNA helicase VIII; ATP-dependent DNA helicase VIII; GAP SH3 domain-binding protein 1; DH-VIII; G3BP; G3BP-1; G3BP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MVMEKPSPLL VGREFVRQYY TLLNQAPDML HRFYGKNSSY VHGG LDSNGK PADAVYGQKE IHRKVMSQNF TNCHTKIRHV DAHATLNDGV VVQVMGLLSN NNQALRRFMQ TFVLAPEGSV ANKFYVHNDI FRYQDEVFGG FVTEPQEESI EEVEEPEERQ QTPEVVPDDS GTFYDQAVVS NDMEEHLEEP VAEPEPDPEP EPEQEPVSEI QEEKPEPVLE ETAPEDAQKS SSPAPADIAQ TVQEDLRTFS WASVTSKNLP PSGAVPVTGI PPHVVVPAS QRPESKPES QIPPQRPQRD QRVREQRINI PPQRGPRPIR EAGEQGDIEP RRMVRHPDSH QLFIGNLPHE VDKSELKDFE QSYGNVVELR INSGGKLPNF GFVVFDDSEP VQKVLSNRPI MFRGEVRLNV EEKKTAAARE GDRRDNRLRG PGGPRGGLGG GMRGP PRGGM VQKPGFVGR GLAPRQVEHH HHHH
Sequence Length	466
Applicable Applications for G3BP1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-466aa
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C or -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for G3BP1 recombinant protein	G3BP1 is 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. And it cleaves exclusively between cytosine and adenine and cleaves MYC mRNA preferentially at the 3'-uTR. Recombinant human G3BP1 protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for G3BP1 recombinant protein	Signal Transduction
References	Kurz, J.C., et al. (2000) Curr. Opin. Chem. Biol. 4: 553-558.; van Eenennaam, H., et al. (2001) Mol. Biol. Cell. 12: 3680-3689.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031703
NCBI GeneID	10146
NCBI Accession #	NP_005745
NCBI GenBank Nucleotide #	NM_005754.2
UniProt Accession #	Q13283; Q5HYE9
Molecular Weight	53.2kDa (474aa), confirmed by MALDI-TOF
NCBI Official Full Name	ras GTPase-activating protein-binding protein 1
NCBI Official Synonym Full Names	G3BP stress granule assembly factor 1
NCBI Official Symbol	G3BP1
NCBI Official Synonym Symbols	G3BP; HDH-VIII
NCBI Protein Information	ras GTPase-activating protein-binding protein 1
UniProt Protein Name	Ras GTPase-activating protein-binding protein 1
UniProt Gene Name	G3BP1
UniProt Synonym Gene Names	G3BP; G3BP-1; hDH VIII

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/g3bp1-recombinant-protein-e-coli-sds-page/48665>