

GTPase Activating Protein Recombinant Protein | G3BP1 recombinant protein

Recombinant Human GTPase Activating Protein (SH3 domain) Binding Protein 1

CATALOG #
AAA38862

HOST
E Coli

PRODUCT SYNONYMS

GTPase Activating Protein; Recombinant Human GTPase Activating Protein (SH3 domain) Binding Protein 1; G3BP1 Human; GTPase Activating Protein (SH3 domain) Binding Protein 1 Human Recombinant; Ras GTPase-activating protein-binding protein 1; G3BP-1; ATP-dependent DNA helicase VIII; hDH VIII; GAP SH3 domain-binding protein 1; G3BP1; G3BP; HDH-VIII; MGC111040; G3BP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	The G3BP1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl. Sterile Filtered colorless solution.
Sequence	MVMEKPSPLL VGREFVRQYY TLLNQAPDML HRFYGNSSY VHGGLDNSGK PADAVYGQKE IHRKVMSQNF TNCHTKIRHV DAHATLNDGV VVQVMGLLSN NNQALRRFMQ TFVLAPEGSV ANKFYVHNDI FRYQDEVFVG FVTEPQEESE EEVEEPEERQ QTPEVVPDDS GTFYDQAVVS NDMEEHLEEP VAEPEPDPEP EPEQEPVSEI QEEKPEPVLE ETAPEDAQKS SSPAPADIAQ TVQEDLRTFS WASVTSKNLP PSGAVPVTGI PPHVVKVPAS QRPESKPES QIPPQRPQRD QRVREQRINI PPQRGPRPIR EAGEQGDIEP RRMVRHPDSH QLFIGNLPHE VDKSELKDFE QSYGNVVELR INSGGKLPNF GFVVFDDSEP VQKVLSNRPI MFRGEVRLNV EEKKTAAARE GDRRDNRLRG PGGPRGGLGG GMRGPPRGGM VQKPGFGVGR GLAPRQV EHH HHHH
Sequence Length	466
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for G3BP1 recombinant protein	Description: G3BP1 Human Recombinant fused with an 8 amino acid His tag at C-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 474 amino acids (1-466 a.a.) and having a molecular mass of 53.2kDa. The G3BP1 is purified by proprietary chromatographic techniques. Introduction: G3BP1 belongs to the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. G3BP1 is one of the DNA-unwinding enzymes that favors partially unwound 3'-tailed substrates and is also able to unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. G3BP1 binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. In addition, G3BP1 cleaves exclusively between cytosine and adenine and cleaves MYC mRNA preferentially at the 3'-UTR.
Product Categories/Family for G3BP1 recombinant protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031703
NCBI GeneID	10146
NCBI Accession #	NP_005745.1

NCBI GenBank Nucleotide #	NM_005754.2
UniProt Accession #	Q13283 ; Q5HYE9
Molecular Weight	13,874 Da
NCBI Official Full Name	ras GTPase-activating protein-binding protein 1
NCBI Official Synonym Full Names	GTPase activating protein (SH3 domain) binding protein 1
NCBI Official Symbol	G3BP1
NCBI Official Synonym Symbols	G3BP; HDH-VIII
NCBI Protein Information	ras GTPase-activating protein-binding protein 1; ATP-dependent DNA helicase VIII; G3BP-1; GAP SH3 domain-binding protein 1; GAP binding protein; Ras-GTPase-activating protein SH3-domain-binding protein; RasGAP-associated endoribonuclease G3BP
UniProt Protein Name	Ras GTPase-activating protein-binding protein 1
UniProt Gene Name	G3BP1
UniProt Synonym Gene Names	G3BP; G3BP-1; hDH VIII
UniProt Entry Name	G3BP1_HUMAN

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/38862>