Ras Gtpase-Activating Protein-Binding Protein 1 (G3BP1) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ras GTPase-activating protein-binding protein 1 (G3BP1), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Ras GTPase-activating protein-binding protein 1 (G3BP1)
Product Gene Name	G3BP1 recombinant protein
Product Synonym Gene Name	G3BP1
Sequence	VMEKPSPLLV GREFVRQYYT LLNQAPDMLH RFYGKNSSYV HGGLDSNGKP ADAVYGQKEI HRKVMSQNFT NCHTKIRHVD AHATLNDGVV VQVMGLLSNN NQALRRFMQT FVLAPEGSVA NKFYVHNDIF RYQDEVFGGF VTEPQEESEE EVEEPEERQQ TPEVVPDDSG TFYDQAVVSN DMEEHLEEPV AEPEPDPEPE PEQEPVSEIQ EEKPEPVLEE TVPEDAQKSS SPAPADIAQT VQEDLRTFSW ASVTSKNLPP SGAVPVTGIP PHVVKVPASQ PRPESKPESQ IPPQRPQRDQ RVREQRINIP PQRGPRPIRE AGEQGDIEPR RMVRHPDSHQ LFIGNLPHEV DKSELKDFFQ SYGNVVELRI NSGGKLPNFG FVVFDDSEPV QKVLSNRPIM FRGEVRLNVE EKKTRAAREG DRRDNRLRGP GGPRGGLGGG MRGPPRGGMV QKPGFGVGRG LAPRQ
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	52,192 Da
Sequence Positions	2-466, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5RB87
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for G3BP1 recombinant protein	MBS1308370 is a recombinant protein targeting G3BP1. Also known as Recombinant Pongo abelii Ras GTPase-activating protein-binding protein 1 (G3BP1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of G3BP1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for G3BP1. It may not necessarily be applicable to this product.

NCBI GI #	197097938
NCBI GeneID	100172476
NCBI Accession #	NP_001125562.1

UniProt Primary Accession #	Q5RB87
UniProt Secondary Accession #	Q5RBE0
UniProt Related Accession #	Q5RB87
GenBank Nucleotide #	NM_001132090.1
NCBI Official Full Name	ras GTPase-activating protein-binding protein 1
NCBI Official Symbol	G3BP1
NCBI Official Synonym Symbols	G3BP
UniProt Protein Name	Ras GTPase-activating protein-binding protein 1
UniProt Synonym Protein Names	ATP-dependent DNA/RNA helicase G3BP
Protein Family	Ras GTPase-activating protein-binding protein
UniProt Gene Name	G3BP1
UniProt Synonym Gene Names	G3BP; G3BP-1
NCBI Protein Information	ras GTPase-activating protein-binding protein 1
UniProt Comments for G3BP1	May be a regulated effector of stress granule assembly. Phosphorylation-dependent sequence-specific endoribonuclease in vitro. Cleaves exclusively between cytosine and adenine and cleaves MYC mRNA preferentially at the 3'-UTR. ATP- and magnesium-dependent helicase. Unwinds preferentially partial DNA and RNA duplexes having a 17 bp annealed portion and either a hanging 3' tail or hanging tails at both 5'- and 3'-ends. Unwinds DNA/DNA, RNA/DNA, and RNA/RNA substrates with comparable efficiency. Acts unidirectionally by moving in the 5' to 3' direction along the bound single-stranded DNA ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/ras-gtpase-activating-protein-binding-protein-1-g3bp1/1308370