Replication-Associated Protein G2P (II) Enterobacteria Phage Fd Recombinant Protein

PRODUCT OVERVIEW

Product Name	Replication-associated protein G2P (II), Recombinant Protein
Full Product Name	Recombinant Enterobacteria phage fd Replication-associated protein G2P (II)
Product Gene Name	II recombinant protein
Sequence	MIDMLVLRLP FIDSLVCSRL SGNDLIAFVD LSKIATLSGM NLSARTVEYH IDGDLTVSGL SHPFESLPTH YSGIAFKIYE GSKNFYPCVE IKASPAKVLQ GHNVFGTTDL ALCSEALLLN FANSLPCLYD LLDVNATTIS RIDATFSARA PNENIAKQVI DHLRNVSNGQ TKSTRSQNWE STVTWNETSR HRTLVAYLKH VELQHQIQQL SSKPSAKMTS YQKEQLKVLS NPDLLEFASG LVRFEARIET RYLKSFGLPL NLFDAIRFAS DYNRQGKDLI FDLWSFSFSE LFKAFEGDSM NIYDDSAVLD AIQSKHFTIT PSGKTSFAKA SRYFGFYRRL VNEGYDSVAL TMPRNSFWRY VSALVECGIP KSQLMNLSTC NNVVPLVRFI NVDFSSQRPD WYNEPVLKIA
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	12,680 Da
Sequence Positions	1-410, 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 P69545
Species	Enterobacteria phage fd (Bacteriophage fd)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for II recombinant protein	MBS1228616 is a recombinant protein targeting II. Also known as Recombinant Enterobacteria phage fd Replication-associated protein G2P (II). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of II 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 II. It may not necessarily be applicable to this product.

NCBI GI #	730977589
NCBI GeneID	22475008
NCBI Accession #	YP_009111297.1
UniProt Primary Accession #	P69545
UniProt Secondary Accession #	P03659

UniProt Related Accession #	P69545
GenBank Nucleotide #	NC_025824.1
NCBI Official Full Name	II
NCBI Official Symbol	RJ90_gp01
UniProt Protein Name	Replication-associated protein G2P
UniProt Synonym Protein Names	G2P; Gene 2 protein
UniProt Gene Name	II
UniProt Synonym Gene Names	Rep
NCBI Protein Information	II
UniProt Comments for II	Isoform G2P plays an essential role in viral DNA replication. Binds the origin of replication and cleaves the dsDNA replicative form I (RFI) and becomes covalently bound to it via phosphotyrosine bond, generating the dsDNA replicative form II (RFII). In turn, viral DNA replication initiates at the 3'-OH of the cleavage site. After one round of rolling circle synthesis, protein G2P is linked to the newly synthesized ssDNA and joins the ends of the displaced strand to generate a circular single-stranded molecule ready to be packed into a virion.
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/replication-associated-protein-g2p-ii/1228616