Guanine Nucleotide-Binding Protein Alpha-1 Subunit (GPA1) Glycine Max Recombinant Protein

PRODUCT OVERVIEW

Product Name	Guanine nucleotide-binding protein alpha-1 subunit (GPA1), Recombinant Protein
Full Product Name	Recombinant Glycine max Guanine nucleotide-binding protein alpha-1 subunit (GPA1)
Product Gene Name	GPA1 recombinant protein
Sequence	GLVCSRSRRF REAHAEENAQ DAEIERRIEL ETKAEKHIQK LLLLGAGESG RSTIFKQIKL LFQTGFNEAE LKSYIPVVHA NVYQTIKVLQ DGSKELAQND FDSSKYVISN ENQDIGQKLS EIGGTLVYPR LTKELAQEIE TMWEDAAIQE TYARGNELQV PDCAHYFMEN LERLSDANYV PTKEDFLYAR VRTTGVVEIQ FSPVGENKRS GEVYRLFDVG GQRNERRKWI HLFEGVTAVI FCSAISEYDQ TLYEDENKNR MMETKELFEW VLRQPCFEKT SFMLFLNKFD IFEKKVLNVP LNVCEWFKHD YQPVSTEKQE IEHAYEFVKK KFEELYFQST APDCVDRVFK IYQATAPDQK LVKKTFKLGD ETLRRRNPLE AGLL
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	44,919 Da
Sequence Positions	2-385, 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 P49084
Species	Glycine max (Soybean) (Glycine hispida)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GPA1 recombinant protein	MBS1226437 is a recombinant protein targeting GPA1. Also known as Recombinant Glycine max Guanine nucleotide-binding protein alpha-1 subunit (GPA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GPA1 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 GPA1. It may not necessarily be applicable to this product.

NCBI GI #	351727425
NCBI GeneID	547804
NCBI Accession #	NP_001238184.1
UniProt Primary Accession #	P49084

UniProt Related Accession #	P49084
GenBank Nucleotide #	NM_001251255.1
NCBI Official Full Name	guanine nucleotide-binding protein alpha-1 subunit
NCBI Official Symbol	GPA1
UniProt Protein Name	Guanine nucleotide-binding protein alpha-1 subunit
UniProt Gene Name	GPA1
UniProt Synonym Gene Names	GA1; GP-alpha-1
NCBI Protein Information	guanine nucleotide-binding protein alpha-1 subunit
UniProt Comments for GPA1	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.
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.
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