Glycerol-3-Phosphate Dehydrogenase [NAD (P)+] (gpsA) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycerol-3-phosphate dehydrogenase [NAD (P)+] (gpsA), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida Glycerol-3-phosphate dehydrogenase [NAD (P)+] (gpsA)
Product Gene Name	gpsA recombinant protein
Product Synonym Gene Name	gpsA
Sequence	MTEQQPVAVL GGGSFGTAVA NLLAENGVPV RQWMRDPAQA EAMRVNRENP RYLKGIRLHD GVEPVNDLLA TLQASELIFV ALPSSALRSV LAPHAELLRG KGLVSLTKGI EAQSFKLMSQ ILEEIAPEAR IGVLSGPNLA REIAEHALTA TVVASEHEDL CQQVQAVLHG RTFRVYASAD RFGVELGGAL KNVYAIIAGM AVALGMGENT KSMLITRALA EMTRFAVSQG ANPMTFLGLA GVGDLIVTCS SPKSRNYQVG YALGQGQSLE EAVNRLGEVA EGVNTLKVLK TKAQQVQVYM PLVAGLHAIL FEGRTLNQVI EHLMRAEPKT DVDFISISGF N
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	36,520 Da
Sequence Positions	1-341, 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 Q88FC9
Species	Pseudomonas putida (strain KT2440)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gpsA recombinant protein	MBS1475714 is a recombinant protein targeting gpsA. Also known as Recombinant Pseudomonas putida Glycerol-3-phosphate dehydrogenase [NAD (P)+] (gpsA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gpsA 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 gpsA. It may not necessarily be applicable to this product.

NCBI GI #	26990861
NCBI GeneID	1045902
NCBI Accession #	NP_746286.1
UniProt Primary Accession #	Q88FC9

UniProt Related Accession #	Q88FC9
GenBank Nucleotide #	NC_002947.4
NCBI Official Full Name	glycerol-3-phosphate dehydrogenase
NCBI Official Symbol	gpsA
UniProt Protein Name	Glycerol-3-phosphate dehydrogenase [NAD(P)+]
UniProt Synonym Protein Names	NAD(P)H-dependent glycerol-3-phosphate dehydrogenase
UniProt Gene Name	gpsA
NCBI Protein Information	glycerol-3-phosphate dehydrogenase
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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