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

PRODUCT OVERVIEW

Product Name	Glycerol-3-phosphate dehydrogenase [NAD (P)+] (gpsA), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Glycerol-3-phosphate dehydrogenase [NAD (P)+] (gpsA)
Product Gene Name	gpsA recombinant protein
Product Synonym Gene Name	gpsA
Sequence	MTEQQPIAVL GGGSFGTAIA NLLAENGQAV RQWMRDPEQA EAIRTRRENP RYLKGVKVHP GVDPVTDLER TLADCQLIFV ALPSSALRKV LQPHQAALTD KLLVSLTKGI EAHTFKLMSE ILEEIAPQAR IGVISGPNLA REIAEHELTA TVVASEDDEL CARVQAALHG RTFRVYASRD RFGVELGGAL KNVYAIMAGL AAAMDMGENT RSMLITRALA EMTRFAVKLG ANPMTFLGLA GVGDLIVTCS SPKSRNYQVG HALGEGLSLE EAVSRMGETA EGVNTLKVLK EKSDEMQVYM PLVAGLHAIL FEGRTLAQVI QLLMRGEPKT DVDFIPTTGF
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	36,773 Da
Sequence Positions	1-340, 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 Q9I3A8
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gpsA recombinant protein	MBS1407880 is a recombinant protein targeting gpsA. Also known as Recombinant Pseudomonas aeruginosa 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 #	15596811
NCBI GeneID	881904
NCBI Accession #	NP_250305.1
UniProt Primary Accession #	Q9I3A8

UniProt Related Accession #	Q9I3A8
GenBank Nucleotide #	NC_002516.2
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
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