Glycerol-3-Phosphate Dehydrogenase [NAD (+)], Cytoplasmic (GPD1) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycerol-3-phosphate dehydrogenase [NAD (+)], cytoplasmic (GPD1), Recombinant Protein
Full Product Name	Recombinant Bovine Glycerol-3-phosphate dehydrogenase [NAD (+)], cytoplasmic (GPD1)
Product Gene Name	GPD1 recombinant protein
Product Synonym Gene Name	GPD1
Sequence	MTGKKVCIVG SGNWGSAIAK IVGGNAAQLA HFDPRVTMWV FEEDIGGRKL TEIINTQHEN VKYLPGHKLP PNVVAVPDVV QAAADADILI FVVPHQFIGK ICDQLKGHLK ADTIGVSLIK GVDEGPKGLK LISEVIGERL GIPMSVLMGA NIANEVADEK FCETTIGSKN QAHGQLLKEL MQTPNFRITV VQEVDTVEIC GALKNIVAVG AGFCDGLGFG DNTKAAVIRL GLMEMIAFAK LFCSGSVSSA TFLESCGVAD LITTCYGGRN RKVAEAFART GKSIEQLEKE MLNGQKLQGP QTARELHSIL QHKGMVDKFP LFTAVYKVCY ENQPVGEFIH CLQNHPEHV
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	37,648 Da
Sequence Positions	1-349, 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 Q5EA88
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GPD1 recombinant protein	MBS1334002 is a recombinant protein targeting GPD1. Also known as Recombinant Bovine Glycerol-3-phosphate dehydrogenase [NAD (+)], cytoplasmic (GPD1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GPD1 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 GPD1. It may not necessarily be applicable to this product.

NCBI GI #	78365297
NCBI GeneID	525042
NCBI Accession #	NP_001030431.1
UniProt Primary Accession #	Q5EA88

UniProt Secondary Accession #	Q2HJE6
UniProt Related Accession #	Q5EA88
GenBank Nucleotide #	NM_001035354.1
NCBI Official Full Name	glycerol-3-phosphate dehydrogenase
NCBI Official Synonym Full Names	glycerol-3-phosphate dehydrogenase 1
NCBI Official Symbol	GPD1
UniProt Protein Name	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic
Protein Family	Glycerol-3-phosphate dehydrogenase
UniProt Gene Name	GPD1
UniProt Synonym Gene Names	GPD-C; GPDH-C
NCBI Protein Information	glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic
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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