NADP-Dependent Glyceraldehyde-3-Phosphate Dehydrogenase (GapN) Scenedesmus Vacuolatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase (GapN), Recombinant Protein
Full Product Name	Recombinant Scenedesmus vacuolatus NADP-dependent glyceraldehyde-3-phosphate dehydrogenase (GapN)
Product Gene Name	GapN recombinant protein
Product Synonym Names	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase; EC=1.2.1.9; Glyceraldehyde-3-phosphate dehydrogenase [NADP(+)]; GAPDHN; Non-phosphorylating glyceraldehyde 3-phosphate dehydrogenase; Triosephosphate dehydrogenase
Sequence	LAIPPFNYPV NLAVSKLAPA LMAGNTVVLK PPSQGVVAGI HMIKCFQAAG LPAGTVNLVT GKGSEIGDFL TTHPAVNCIS FTGGDTGIAI SRKAGMVPLQ MELGGKDACI VCSDADLDLA ATHIIKGGFS YSGQRCTAVK VVLVMQDIAD ELVRKVHAGV QKLKVGRPED NADITAVVSE GSANFIQGLV EDAKAKGATF LTDWKREGNL LWPVLLDNVT ADMRIAWEEP FGP
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	24,436 Da
Sequence Positions	1-233aa; 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 Q8VXQ7
Species	Scenedesmus vacuolatus (Chlorella fusca var. vacuolata)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GapN recombinant protein	MBS1284959 is a recombinant protein targeting GapN. Also known as Recombinant Scenedesmus vacuolatus NADP-dependent glyceraldehyde-3-phosphate dehydrogenase (GapN). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GapN 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 GapN. It may not necessarily be applicable to this product.

NCBI GI #	75161339
NCBI Accession #	Q8VXQ7.1
UniProt Primary Accession #	Q8VXQ7

NCBI Official Full Name	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase
UniProt Protein Name	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase
UniProt Synonym Protein Names	Glyceraldehyde-3-phosphate dehydrogenase [NADP(+)]; GAPDHN; Non-phosphorylating glyceraldehyde 3-phosphate dehydrogenase; Triosephosphate dehydrogenase
UniProt Gene Name	GapN
UniProt Synonym Gene Names	GAPDHN
UniProt Entry Name	GAPN_SCEVA
UniProt Comments for GapN	Important as a means of generating NADPH for biosynthetic reactions.
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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