Enolase (eno) Methanosarcina Mazei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Enolase (eno), Recombinant Protein
Full Product Name	Recombinant Methanosarcina mazei Enolase (eno)
Product Gene Name	eno recombinant protein
Product Synonym Gene Name	eno; MM_2836
Product Synonym Names	Enolase; EC=4.2.1.11; 2-phospho-D-glycerate hydro-lyase; 2-phosphoglycerate dehydratase
Sequence	MSYIGLQQDS GEYKIQKIHA REILDSRGNP TVEVDVFTPK GFGRASVPSG ASTGTNEALE LRDADPNRYG GKGVLTAVKN VNTIIQKELL GLDVRNQREI DELMIELDET ENKSNLGANA ILGVSMAVAK AAADSLNIPL YRYFGGSNAF TLPVPTMNVL NGGKHAGNEL AIQEFMIQPK GAETFYEALQ IGAEIYQTLG KFLENKYGRS STNVGYEGGY APKMGESTEA LDALVHAIEE AGYTESEVTI GLDAAATEFY EEEFYNIDGK KLAAPELLDY YVELVNSYPI LSIEDPFYEE AFEDFEALTN ELWDTIIVGD DLFVTNIERL SKGVDMGAAN ALLLKVNQIG SISEAFDAAS MASRNGYTVI VSHRSAETED TTISDLAVAI GAEMIKTGAP ARGERTAKYN QLLRIEEDLG EVAHYVQL
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	46,609 Da
Sequence Positions	1-428aa; 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 Q8PT81
Species	Methanosarcina mazei (strain BAA-159 / DSM 3647 / Goe1 / Go1 / JCM 11833 / OCM 88) (Methanosarcina frisia)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for eno recombinant protein	MBS1418837 is a recombinant protein targeting eno. Also known as Recombinant Methanosarcina mazei Enolase (eno). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of eno 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 eno. It may not necessarily be applicable to this product.

NCBI GI #	21228938
NCBI GeneID	1481178
NCBI Accession #	NP_634860.1

UniProt Primary Accession #	Q8PT81
UniProt Related Accession #	Q8PT81
GenBank Nucleotide #	NC_003901.1
NCBI Official Full Name	phosphopyruvate hydratase
NCBI Official Symbol	eno
UniProt Protein Name	Enolase
UniProt Synonym Protein Names	2-phospho-D-glycerate hydro-lyase; 2-phosphoglycerate dehydratase
Protein Family	Enolase
UniProt Gene Name	eno
UniProt Entry Name	ENO_METMA
NCBI Protein Information	phosphopyruvate hydratase
UniProt Comments for eno	Catalyzes the reversible conversion of 2-phosphoglycerate into phosphoenolpyruvate. It is essential for the degradation of carbohydrates via glycolysis.
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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