Beta-Enolase (ENO3) Pig Recombinant Protein

PRODUCT OVERVIEW

Product Name	Beta-enolase (ENO3), Recombinant Protein
Full Product Name	Recombinant Pig Beta-enolase (ENO3)
Product Gene Name	ENO3 recombinant protein
Product Synonym Gene Name	ENO3
Sequence	AMQKIFAREI LDSRGNPTVE VDLHTAKGRF RAAVPSGAST GIYEALELRD GDKSRYLGKG VLKAVEHINK TLGPALLEKK LSVVDQEKVD KFMIELDGTE NKSKFGANAI LGVSLAVCKA GAAEKGVPLY RHIADLAGNP DLVLPVPAFN VINGGSHAGN KLAMQEFMIL PVGASSFREA MRIGAEVYHH LKGVIKGKYG KDATNVGDEG GFAPNILENN EALELLKTAI QAAGYPDKVV IGMDVAASEF YRNGKYDLDF KSPDDPSRHI TGEKLGELYK SFIKNYPVVS IEDPFDQDDW KTWTSFLSGV NIQIVGDDLT VTNLKRIAQA VEKKACNCLL LKVNQIGSVT ESIQACKLAQ SNGWGVMVSH RSGETEDTFI ADLVVGLCTG QIKTGAPCRS ERLAKYNQLM RIEEALGDKA VFAGRKFRNP KAK
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	47,130 Da
Sequence Positions	2-434, 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 Q1KYT0
Species	Sus scrofa (Pig)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ENO3 recombinant protein	This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in this gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme. Two transcripts have been identified for this gene that differ only in their 5 UTR.
Other Notes	Small volumes of ENO3 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.
Searchable Terms for ENO3 purchase	MBS1356367 is a recombinant protein targeting ENO3. Also known as Recombinant Pig Beta-enolase (ENO3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ENO3. It may not necessarily be applicable to this product.

NCBI GI #	113205498
NCBI GeneID	692156
NCBI Accession #	NP_001037992.1
UniProt Primary Accession #	Q1KYT0
UniProt Related Accession #	Q1KYT0
GenBank Nucleotide #	NM_001044527.1
NCBI Official Full Name	beta-enolase
NCBI Official Symbol	ENO3
UniProt Protein Name	Beta-enolase
UniProt Synonym Protein Names	2-phospho-D-glycerate hydro-lyase; Enolase 3; Muscle-specific enolase; MSE; Skeletal muscle enolase
Protein Family	Beta-enolase
UniProt Gene Name	ENO3
UniProt Synonym Gene Names	MSE
NCBI Protein Information	beta-enolase
UniProt Comments for ENO3	Appears to have a function in striated muscle development and regeneration.
Research Articles on ENO3	**1.** Pyridoxamine and carnosine protected enolase against the total loss of catalytic activity.
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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