Pyruvate Kinase 2 (PYK2) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pyruvate kinase 2 (PYK2), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Pyruvate kinase 2 (PYK2) , partial
Product Gene Name	PYK2 recombinant protein
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	55,195 Da
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 P52489
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PYK2 recombinant protein	MBS1218327 is a recombinant protein targeting PYK2. Also known as Recombinant Saccharomyces cerevisiae Pyruvate kinase 2 (PYK2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PYK2 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 PYK2. It may not necessarily be applicable to this product.

NCBI GI #	398366329
NCBI GeneID	854529
NCBI Accession #	NP_014992.3
UniProt Primary Accession #	P52489
UniProt Secondary Accession #	D6W342
UniProt Related Accession #	P52489
GenBank Nucleotide #	NM_001183767.3
NCBI Official Full Name	pyruvate kinase PYK2
NCBI Official Symbol	PYK2
UniProt Protein Name	Pyruvate kinase 2

Protein Family	Pyruvate kinase
UniProt Gene Name	PYK2
UniProt Synonym Gene Names	PK 2
NCBI Protein Information	pyruvate kinase PYK2
UniProt Comments for PYK2	May be used by cells under conditions in which the level of glycolytic flux is very low.Miscellaneous: Present with 2130 molecules/cell in log phase SD medium.
Research Articles on PYK2	**1.** Studies of Thr298Cys mutant pyruvate kinase (PK) active site conclude that residue Thr298 is not critical for PK activity but plays a role in the activation of the water molecule and affects the pK that modulates catalytic activity.
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