

PFKM Antibody

Phosphofructokinase Muscle, Mouse Anti Human
ABM0545

Product Overview

Name PFKM Antibody

Description

Phosphofructokinase Muscle, Mouse Anti Human

Synonyms

EC 2.7.1.11, GSD7, PFK-1, PFK1, PFKA, PFKX, Phosphofructokinase-M, Phosphofructokinase 1, Phosphohexokinase, Phosphofructo-1-kinase isozyme A, MGC8699, PFKM.

Introduction

PFKM is a regulatory glycolytic enzyme that converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP. Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. Mutations in PFKM gene have been related with glycogen storage disease type VII, also identified as Tarui disease.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

PFKM Human solution containing 20mM Tris HCl pH-8, 5mM DTT, 0.2M NaCl and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze thaw cycles.

Purity

Greater than 80% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MTHEEHHAAK TLGIGKAIIV LTSGGDAQGM NAAVRAVVRV GIFTGARVFF
VHEGYQQLVD GGDHIKEATW ESVSMMLQLG GTVIGSARCK DFREREGRLR AAYNLVKRGI TNLCVIGGDG
SLTGADTFRS EWSDLLSDLQ KAGKITDEEA TKSSYLNIVG LVGSIDNDFC GTDMTIGTDS ALHRIMEIVD
AITTTAQSHQ RTFVLEV MGR HCGYLALVTS LSCGADWVFI PECPPDDWE EHLCRRLSET RTRGSRLNII
IVAEGAIDKN GKPITSEDIK NLVVKRLGYD TRVTVLGHVQ RGGTPSAFDR ILGSRMGVEA VMALLEGTPD

TPACVVSLSG NQAVRLPLME CVQVTKDVTK AMDEKKFDEA LKLRGRSFMN NWEVYKLLAH VRPPVSKSGS
HTVAVMNVGA PAAGMNAAVR STVRIGLIQG NRVLVVDHGF EGLAKGQIEE AGWSYVGGWT GQGGSKLGTK
RTLPKKSFEQ ISANITKFNI QGLVIIGGFE AYTGGLELME GRKQFDELICI PFVVIPATVS NNVPGSDFSV
GADTALNTIC TTCDRIKQSA AGTKRRVFII ETMGGYCGYL ATMAGLAAGA DAAYIFEEPF TIRDLQANVE
HLVQKMKTIV KRGLVLRNEK CNENYTTDFI FNLYSEEGKG IFDSRKNVVG HMQQGGSPTP FDRNFATKMG
AKAMNWMSGK IKESYRNGRI FANTPDSGCV LGMRKRALVF QPVAELKDQT DFEHRIPKEQ WWLKLRPILK
ILAKYEIDLD TSDHAHLEHI TRKRSGEAAV.

Precautions

PFKM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.