

Recombinant human PGM2 protein

Catalog Number: ATGP3135

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-612aa

UniProt No.

Q96G03

NCBI Accession No.

NP_060760

Alternative Names

Phosphoglucomutase-2, Phosphoglucomutase 2, MSTP006

PRODUCT SPECIFICATION

Molecular Weight

70.7 kDa (635aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PGM2 also known as Phosphoglucomutase-2. PGM2 is protein of the alpha-d-phosphohexomutase family and sharing about 20% identity with mammalian phosphoglucomutase 1. It acts more than 10-fold better as a phosphopentomutase than as a phosphoglucomutase. Recombinant human PGM2 was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMAAPEGS GLGEDARLDQ ETAQWLRWDK NSLTLEAVKR LIAEGNKEEL

Recombinant human PGM2 protein

Catalog Number: ATGP3135

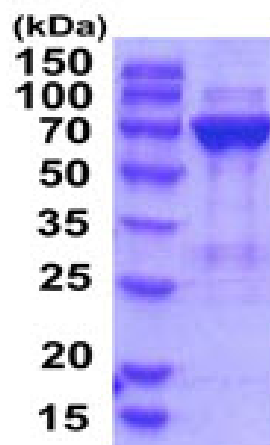
RKCFGARMEF GTAGLRAAMG PGISRMNDLT IIQTTQGFGR YLEKQFSDLK QKGIVISFDA RAHPSSGGSS RRFARLAATT
FISQGIPVYL FSDITPTPFV PFTVSHLKLK AGIMITASHN PKQDNGYKVY WDNGAQIISP HDKGISQAIE ENLEPWPQAW
DDSLIDSSPL LHNPSASINN DYFEDLKKYC FHRSVNRETK VKFVHTSVHG VGHSFVQSAF KAFDLVPPEA VPEQKDPDPE
FPTVKYPNPE EGKGVLTLSF ALADKTKARI VLANDPDADR LAVAQKQDSG EWRVFSGNEL GALLGWWLFT SWKEKNQDRS
ALKDTYMLSS TVSSKILRAI ALKEGFHFEE TLTGFKWMGN RAKQLIDQGK TVLFAFEEAI GYMCCPFVLD KDGVSAAVIS
AELASFLATK NLSLSQQLKA IYVEYGYHIT KASYFICHQD ETIKKLFENL RNYDGKNNYP KACGKFEISA IRDLTTGYDD
SQPDKKAVLP TSKSSQMITF TFANGGVATM RTSGTPEKIK YYAELCAPPG NSDPEQLKKE LNELVSAIEE HFFQPQKYNL
QPKAD

General References

Maliekal P., et al. (2007) J. Biol. Chem. 282:31844-31851.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)