

Recombinant Human PGM2, His-tagged

Cat. No. PGM2-115H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PGM2 was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol.
Molecular Mass	70.7kDa (635aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAPEGS GLGEDARLDQ ETAQWLRWDK NSLTLEAVKR LIAEGNKEEL RKCFCGARMEF GTAGLRAAMGPGISRMNDLT IIQTTQGFGR YLEKQFSDLK QKGIVISFDA RAHPSSGGSS RRFARLAATT FISQGIPVYL FSDITPTPFV PFTVSHLKLKAGIMITASHN PKQDNGYKVY WDNGAQIISP HDKGISQAIE ENLEPWPQAW DDSLIDSSPL LHNPSASINN DYFEDLKKYC FHRSVNRETKVKFVHTSVHG VGHSFVQSAF KAFDLVPPEA VPEQKDPDPE FPTVKYPNPE EGKGVLTLSF ALADKTKARI VLANDPDADR LAVAEKQDSGEWRVFSGNEL GALLGWWLFT SWKEKNQDRS ALKDTYMLSS TVSSKILRAI ALKEGFHFEE TLTGFKWMGN RAKQLIDQ GK

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TVLFAFEEAIGYMCCPFVLD KDGVSAAVIS AELASFLATK NLSLSQQLKA
 IYVEYGYHIT KASYFICHQDQ ETIKKLFENL RNYDGKNNYP
 KACGKFEISAIRDLTTGYDD SQPDKKAVLP TSKSSQMITF TFANGGVATM
 RTSGTEPKIK YYAELCAPPG NSDPEQLKKE LNELVSAIEE HFFQPQKYNLQPKAD

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name PGM2 phosphoglucomutase 2 [Homo sapiens]

Official Symbol PGM2

Synonyms PGM2; phosphoglucomutase 2; phosphoglucomutase-2; FLJ10983; phosphopentomutase; PGM 2; phosphodeoxyribomutase; glucose phosphomutase 2; MSTP006;

Gene ID 55276

mRNA Refseq NM_018290

Protein Refseq NP_060760

MIM 172000

UniProt ID Q96G03

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Chromosome Location	4p14-q12
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; GDP-glucose biosynthesis, organism-specific biosystem; GDP-glucose biosynthesis, conserved biosystem; Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem; Glucose metabolism, organism-specific biosystem;
Function	isomerase activity; magnesium ion binding; phosphoglucomutase activity; phosphopentomutase activity;

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