
Product Data Sheet

Product Name: PGM2 Human

Cat. No.: GP22080

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Phosphoglucomutase 2; Glucose Phosphomutase 2; Phosphodeoxyribomutase; Phosphopentomutase; EC 5.4.2.2; PGM 2; Phosphoglucomutase-2; EC 5.4.2.7; EC5.4.2; MSTP006.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMAAPEGS GLGEDARLDQ ETAQWLRWDK NSLTLEAVKR LIAEGNKEELRKCFGARMEF GTAGLRAAMG GISRMNDLT IIQTTQGFCR YLEKQFSDLK QKGIVISFDA RAHPSSGGSSRRFARLAATT FISQGIPVYL FSDITPTPFV PFTVSHLKLK AGIMITASHN PKQDNGYKVY WDNGAQIISP HDKGISQAIE ENLEPWPQAWDDSLIDSSPL LHNPSASINN DYFEDLKKYC FHRSVNRETK VKFVHTSVHG VGHSFVQSAF KAFDLVPPEAVPEQKDPDPE FPTVKYPNPE EGKGVLTLSF ALADKTKARI VLANDPDADR LAVA EKQDSG EWRVFSGNEL GALLGWLFT SWKEKNQDRS ALKDTYMLSS TVSSKILRAIALKEGFHFEE TLTGFKWMGN RAKQLIDQ GK TVLFAFEEAI GYMCCPFVLD KDGVSAAVIS AELASFLATKNLSLSQQLKA IYVEYGYHIT KASYFICHQ ETIKKLFENL RNYDGKNNYP KACGKFEISA IRDLTTGYDD SQPDKKAVLP TSKSSQMITF TFANGGVATM RTSGTEPKIKYYAELCAPPG NSDPEQLKKE LNELVSAIEE HFFQPQKYNL QPKAD.</p>		
Formulation	PGM2 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

PGM2 or Phosphoglucomutase-2 is a protein of the alpha-d-phosphohexomutase family that shares about 20% similarity with mammalian phosphoglucomutase 1. PGM2 has low glucose 1,6-bisphosphate synthase activity. Furthermore, PGM2 catalyzes the conversion of the nucleoside breakdown products ribose-1-phosphate and deoxyribose-1-phosphate to the corresponding 5-phosphopentoses. In addition,

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

PGM2 catalyzes the interconversion of glucose-1-phosphate and glucose-6-phosphate.

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). Avoid multiple freeze-thaw cycles.

Background

PGM2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 635 amino acids (1-612 a.a) and having a molecular mass of 70.7kDa. PGM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA