32-6883: PGM2 Human

Alternative Name : Phosphoglucomutase 2, Glucose Phosphomutase 2, Phosphodeoxyribomutase, Phosphopentomutase, EC 5.4.2.2, PGM 2, Phosphoglucomutase-2, EC 5.4.2.7, EC 5.4.2, MSTP006.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
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, PGM2 catalyzes the interconversion of glucose-1-phosphate and glucose-6-phosphate.
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.

Product Info

Amount :	5 μg / 20 μg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	PGM2 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMAAPEGS GLGEDARLDQ ETAQWLRWDK NSLTLEAVKR LIAEGNKEEL RKCFGARMEF GTAGLRAAMG PGISRMNDLT IIQTTQGFCR YLEKQFSDLK QKGIVISFDA RAHPSSGGSS RRFARLAATT FISQGIPVYL FSDITPTPFV PFTVSHLKLC AGIMITASHN PKQDNGYKVY WDNGAQIISP HDKGISQAIE ENLEPWPQAW DDSLIDSSPL LHNPSASINN DYFEDLKKYC FHRSVNRETK VKFVHTSVHG VGHSFVQSAF KAFDLVPPEA VPEQKDPDPE FPTVKYPNPE EGKGVLTLSF ALADKTKARI VLANDPDADR LAVAEKQDSG EWRVFSGNEL GALLGWWLFT SWKEKNQDRS ALKDTYMLSS TVSSKILRAI ALKEGFHFEE TLTGFKWMGN RAKQLIDQGK TVLFAFEEAI GYMCCPFVLD KDGVSAAVIS AELASFLATK NLSLSQQLKA IYVEYGYHIT KASYFICHDQ ETIKKLFENL RNYDGKNNYP KACGKFEISA IRDLTTGYDD SQPDKKAVLP TSKSSQMITF TFANGGVATM RTSGTEPKIK YYAELCAPPG NSDPEQLKKE LNELVSAIEE HFFQPQKYNL QPKAD.