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32-8694: Recombinant Human Phosphoglucomutase 2/PGM2 (N-6His)

Gene : PGM2
Gene ID : 55276
Uniprot ID : Q96G03

Description

Source: E.coli.
MW :70.5kD.
Recombinant Human Phosphoglucomutase-2 is produced by our E.coli expression system and the target gene encoding Met1-Asp612 is expressed with a 6His tag at the N-terminus. Phosphoglucomutase-2 (PGM2) is a member of PGM family, which catalyzes the inter-conversion of sugar phosphates and participates in anabolic and catabolic reactions. When cells are grown in glucose, PGM catalyzes the conversion of glucose-6-phosphate to glucose-1-phosphate an important precursor required for the synthesis of UDP glucose and trehalose. PGM2 catalyzes the conversion of the nucleoside breakdown products ribose-1-phosphate and deoxyribose-1-phosphate to the corresponding 5-phosphopentoses, and it may also catalyze the interconversion of glucose-1-phosphate and glucose-6-phosphate. But this protein has low glucose 1,6-bisphosphate synthase activity.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM Tris,200mM NaCl,pH8.0.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :
MGSSHHHHHHSSGLVPRGSHMAAPEGSGLDEDARLDQETAQWLRWDKNSLTLEAVKRLIAEGNKEELRKCF
GARMEFGTAGLRAAMGPGISRMNDLTIIQTTQGFCRYLEKQFSDLKQKGIVISFDARAHPSSGGSSRRFARLAA
TTFISQGIPVYLFSDITPTPFVPFTVSHLKLCAGIMITASHNPKQDNGYKVYWDNGAQIISPHDKGISQAIEENLEP
WPQAWDDSLIDSSPLLHNPSASINNDYFEDLKKYCFHRSVNRETKVKFVHTSVHGVGHSFVQSAFKAFDLVPP
EAVPEQKDPDPEFPTVKYPNPEEGKGVLTLSFALADKTKARIVLANDPDADRLAVAEKQDSGEWRVFSGNELG
ALLGWWLFTSWKEKNQDRSALKDTYMLSSTVSSKILRAIALKEGFHFEETLTGFKWMGNRAKQLIDQGKTVLF
AFEEAIGYMCCPFVLDKDGVSAAVISAELASFLATKNLSLSQQLKAIYVEYGYHITKASYFICHDQETIKKLFENLR
NYDGKNNYPKACGKFEISAIRDLTTGYDDSQPDKKAVLPTSKSSQMITFTFANGGVATMRTSGTEPKIKYYAELC
APPGNSDPEQLKKELNELVSAIEEHFFQPQKYNLQPKAD

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.