

Recombinant Human PGM3 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PGM3-403H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PGM3 MS Standard C13 and N15-labeled recombinant protein (NP_056414) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the phosphohexose mutase family. The encoded protein mediates both glycogen formation and utilization by catalyzing the interconversion of glucose-1-phosphate and glucose-6-phosphate. A non-synonymous single nucleotide polymorphism in this gene may play a role in resistance to diabetic nephropathy and neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]
Molecular Mass	59.9 kDa
AA Sequence	MDLGAITKYSALHAKPNGLILQYGTAGFRTKAEHLDHVMFRMGLLAVLRSKQTKSTI GVMVTASHNPEEDNGVKLVDP LGEMLAPSWEEHATCLANAE EQDMQRVLIDISEKE AVNLQQDAFVVIGRDTRPSSEKLSQSVIDGVTVLGGQFH DYGLLTTPQLHYMVYCR NTGGRYGKATIEGY YQKLSKAFVELTKQASCSGDEYRSLKVDCANGIGALKLREME HYFSQGLSVQLFNDGSGKGLNHL CGAD FVKSHQPPQGMEIKSNERCCSFDGDAD RIVYYYHDADG H FHLIDGDKIATLISSFLKELLVEIGESLNIGVVQTAYANGSSTRYLEE

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VMKVPVYCTKTGVKHLHHKAQEFDIGVYFEANGHGTALESTAVEMKIKQSAEQLED
KKRKAAKMLENIIDLFNQAGDAISDMLVIEAILALKGLTVQQWDALYTDLPNRQLKV
QVADRRVISTTNAERQAVTPPGLQEAINDLVKKYKLSRAFVRPSGTEDVVRVYAEAD
SQESADHLAHEVSLAVFQLAGGIGERPQPGFTRTRPLEQKLISEEDLAANDILDYKD
DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PGM3 phosphoglucomutase 3 [Homo sapiens (human)]

Official Symbol PGM3

Synonyms PGM3; phosphoglucomutase 3; phosphoacetylglucosamine mutase; acetylglucosamine phosphomutase; AGM1; DKFZP434B187; PAGM; N-acetylglucosamine-phosphate mutase 1; PGM 3; FLJ11614; FLJ13623; DKFZp434B187;

Gene ID 5238

mRNA Refseq NM_015599

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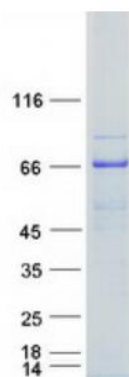
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Protein Refseq NP_056414

MIM 172100

UniProt ID O95394

SDS-PAGE



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