

Recombinant Full Length Human PGM3 Protein, C-Flag-tagged

Cat. No. PGM3-2037HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PGM3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	59.7 kDa
AA Sequence	MDLGAITKYSALHAKPNGLILQYGTAGFRTKAEHLDHVMFRMGLLAVLRSKQTKSTI GVMVTASHNPEED NGVKLVDP LGEMLAPSWEEHATCLANAEEQDMQRVLIDISEK EAVNLQQDAFVVIGRDTRPSSEKLSQSV IDGVTVLGGQFHDYGLLTTPQLHYMVYC RNTGGRYGKATIEGYYQKLSKAFVELTKQASCSGDEYRSLKV DCANGIGALKLREM EHYFSQGLSVQLFNDGSKGKLNHL CGAD FVKSHQKPPQGMEIKSNERCCSFDGDA D RIVYYYHDADGHFHLIDGDKIATLISSFLKELLVEIGESLNIGVVQTAYANGSSSTRYL EEVMKVPVYCTK TGVKHLHHKAQEFDIGVYFEANGHG TALFSTAVEMKIKQSAEQL

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EDKKRKAAMLENIIDLFNQAAGDAI SDMLVIEAILALKGLTVQQWDALYTDLPNRQL
KVQVADRRVISTTNAERQAVTPPGLQEAINDLVKKYKL SRAFVRPSGTEDVVRVYA
EADSQESADHLAHEVSLAVFQLAGGIGERPQPGF TRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Amino sugar and nucleotide sugar metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	PGM3 phosphoglucomutase 3 [Homo sapiens (human)]
Official Symbol	PGM3
Synonyms	AGM1; PAGM; IMD23; PGM 3
Gene ID	5238

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mRNA Refseq	NM_015599.3
Protein Refseq	NP_056414.1
MIM	172100
UniProt ID	O95394

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