

Recombinant Human PGM3 protein, His & T7-tagged

Cat. No. PGM3-1694H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGM3 aa. (Leu12~Leu245 (Accession # O95394)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu12~Leu245
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	Freeze-dried powder
Molecular Mass	15&33kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	6.3

GENE INFORMATION

Gene Name	PGM3 phosphoglucomutase 3 [Homo sapiens (human)]
Official Symbol	PGM3
Synonyms	PGM3; phosphoglucomutase 3; AGM1; PAGM; IMD23; PGM 3; phosphoacetylglucosamine mutase; N-acetylglucosamine-phosphate mutase 1; acetylglucosamine phosphomutase
Gene ID	5238
mRNA Refseq	NM_001199917.1
Protein Refseq	NP_001186846.1

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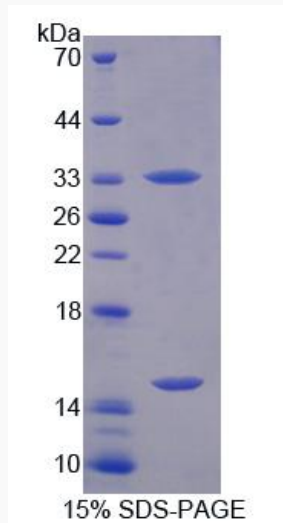
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UniProt ID

O95394

SDS-PAGE



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