

Recombinant Human PGM3 Protein (1-542 aa), His-SUMO-tagged

Cat. No. PGM3-717H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGM3 Protein (1-542 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-542 aa
Description	Catalyzes the conversion of GlcNAc-6-P into GlcNAc-1-P during the synthesis of uridine diphosphate/UDP-GlcNAc, a sugar nucleotide critical to multiple glycosylation pathways including protein N- and O-glycosylation.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	75.9 kDa
AA Sequence	MDLGAITKYSALHAKPNGLILQYGTAGFRTKAEHLDHVMFRMGLLAVLRSKQTKSTI GVMVTASHNPEEDNGVKLVDP LGEMLAPSWEEHATCLANAE EQDMQRVLIDISEKE AVNLQQDAFVVIGRDRPSSEKLSQSVIDGVTVLGGQFHDYGLLTTPQLHYMVYCR NTGGRYGKATIEGYQKLSKAFVELTKQASCSGDEYRSLKVDCANGIGALKLREME HYFSQGLSVQLFNDGSKGKLNHLCGADFKSHQPPQGMEIKSNERCCSFDGDAD RIVYYYHDADGHHFLIDGDKIATLISSFLKELLVEIGESLNIGVVQTAYANGSSTRYLEE

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VMKVPVYCTKTGVKHLHHKAQEFDIGVYFEANGHGTA LFSTAVEMKIKQSAEQLED
KKRKAAKMLENIIDLNFNAAGDAISDMLVIEAILALKGLTVQQWDALYTDLPNRQLKV
QVADRRVISTTTDAERQAVTPPGLQEAINDLVKKYKLSRAFVRPSGTEDVVRVYAEAD
SQESADHLAHEVSLAVFQLAGGIGERPQPGF

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name PGM3 phosphoglucomutase 3 [Homo sapiens]

Official Symbol PGM3

Synonyms PGM3; AGM1; DKFZP434B187; PAGM; PGM 3; FLJ11614; FLJ13623; DKFZp434B187;

Gene ID 5238

mRNA Refseq NM_001199917

Protein Refseq NP_001186846

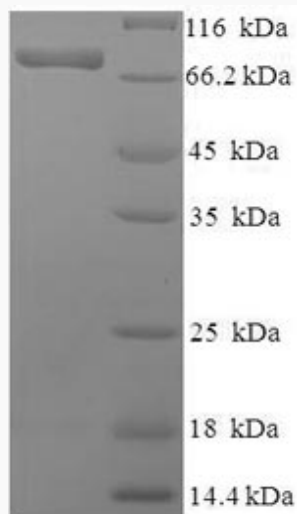
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MIM 172100

UniProt ID O95394



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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