

Recombinant Human PGM1 Protein (1-562 aa), His-SUMO-tagged

Cat. No. PGM1-716H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGM1 Protein (1-562 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	1-562 aa
Description	This enzyme participates in both the breakdown and synthesis of glucose.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	77.4 kDa
AA Sequence	MVKIVTVKTQAYQDQKPGTSGLRKRVKVFQSSANYAENFIQSIISTVEPAQRQEATLV VGGDGRFYMKELIAQLIARIAAANGIGRLVIGQNGILSTPAVSCIIRKIKAIIGGIILTASHNP GGPNGDFGIKFNISNGGPAPEAITDKIFQISKTIIEYAVCPDLKVDLGLVGLKQQFDLEN KFKPFTVEIVDSVEAYATMLRSIFDFSALKELSGPNRLKIRIDAMHGVVGPYVKILC EELGAPANSVNCVPLEDFGGHHPDPNLTYAADLVETMKSGEHDFGAAFDGDGDR NMILGKHGFFVNPSPDSVAVIAANIFSIPYFQQTGVRGFARSMPTSGALDRVASATKIA LYETPTGWKFFGNLMDASKLSLCGEESFGTGSDHIREKDGLWAVLAWLSILATRKQ SVEDILKDHQKYGRNFFTRYDYEEVEAEGANKMMKDLEALMFD RSFVGKQFSAN

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DKVYTV EKADNFEYSDPVDG SISRNQGLRLIFTDGS RIVFRLSGTGSAGATIRLYIDS
YEKDVAKINQDPQV MLAPLISIALKVSQ LQERTGRTAPT VIT

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 PGM1 phosphoglucomutase 1 [Homo sapiens]

Official Symbol PGM1

Synonyms PGM1; phosphoglucomutase 1; PGM 1; GSD14;

Gene ID 5236

mRNA Refseq NM_001172818

Protein Refseq NP_001166289

MIM 171900

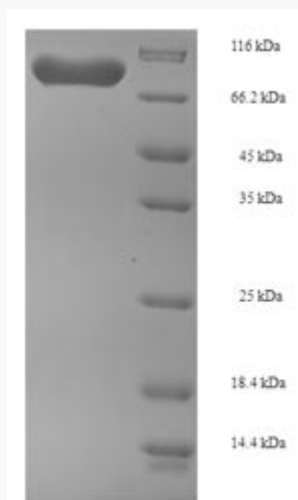
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UniProt ID

P36871



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

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