

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 VGGDGRFYMKELAIQLIARIAAANGIGRLVIGQNGILSTPAVSCIIRKKAIGGIILTASHNP GGPNGDFGIKFNISNGGPAPEAITDKIFQISKTIIEYAVCPDLKVDLGLVGLKQQFDLEN KFKPFTVEIVDSVEAYATMLRSIFDFSALKELSGPNRLKIRIDAMHGVVGPYVKKILC 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

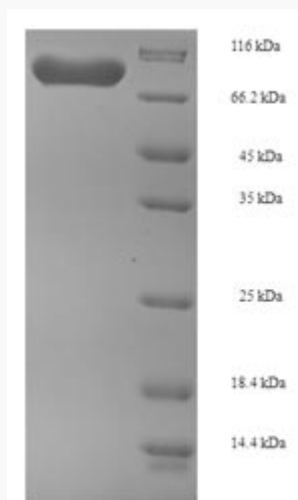
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UniProt ID

P36871



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

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