

Recombinant Human PGM1 Protein Product Manual

1. Product Basic Information

Product No.: REP07778

Protein Name: PGM1

Aliases: CDG1T; GSD14

UniProt ID: P36871

UniProt Link: <https://www.uniprot.org/uniprotkb/P36871/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-562aa)

Molecular Weight: 77.4kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-562aa)

MVKIVTVKTQAYQDQKPGTSGLRKRVKVFQSSANYAENFIQSIISTVEPAQRQEATL
VVGGDGRFYMKELIARIAAANGIGRLVIGQNGILSTPAVSCIIRKIKAIIGGIILTASH
NPGGPNGDFGIKFNISNGGPAPEAITDKIFQISKTIIEYAVCPDLKVDLGVLGKQQFD
LENKFKPFTVEIVDSVEAYATMLRSIFDFSALKELLSGPNRLKIRIDAMHGVVGPYVK
KILCEELGAPANSVNCVPLEDFGGHHPDNLTYAADLVETMKSGEHDFGAAFDGD
GDRNMILGKHGFFVNPSSVAVIAANIFSIPYFQQTGVRGFARSMPTSGALDRVASA
TKIALYETPTGWKFFGNLMDASKLSLCGEESFGTGSDHIREKDGLWAVLAWLSILAT
RKQSVEDILKDHQKYGRNFFTRYDYEEVEAEGANKMMKDLEALMFD RSFVGKQF
SANDKVYTVEKADNFEYSDPVDGSI SRNQGLRLIFTDGSRIVFRLSGTGSAGATIRL
YIDSYEKDVAKINQDPQVMLAPLISIALKVSQ LQERTGRTAPT VIT

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PGM1 full length protein (1-562aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PGM1, also known as CDG1T or GSD14, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.