



Recombinant strain SC5314 / ATCC MYA-2876 GPD2 Protein Product Manual

1. Product Basic Information

Product No.: REP07020

Protein Name: Gpdh-Testicular Tissue Protein Li 76 (GPD2)

Aliases: GDH2; GPDM; mGDH; GPD-mGPDH; mtGPD; GPDH-testicular tissue protein Li 76; mitochondrial glycerophosphate dehydrogenase; glycerol-3-phosphate dehydrogenase, mitochondrial

UniProt ID: P43304

UniProt Link: <https://www.uniprot.org/uniprotkb/P43304/entry>

Species Source: Candida albicans (strain SC5314 / ATCC MYA-2876) (Yeast)

Expression System: Yeast

Protein Length: Full Length (1-371aa)

Molecular Weight: 42.3 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-371aa)

MTTSPYPIETPFKVCIVGSGNWTAVAKLVAENCAEKPNIQFQRDVKMWVFEEEEIEG
RKLTEIINTEHENVKYLPEIKLPTNLVANPDIVDTVQDADLIVFNIPHQFLGRIVKQIEG
KVKPTARAI SCLKGLDVSPEGCKLLSTSITDTLKIYCGVLSGANIANEVAKGNWSETS
IAYTVPEDFRGAGKDIDPFILKEAFHRPYFHVRIEDVVGASIA GALKNVIACSVGFVE
GAGWGDNAKAAIMRIGIKETIRFASYWELFKIKALSPNP KTFTEESAGVADLITTC S
GGRNVKVARYMIKNNVDAFEAEKIVLKGQSSQGILTAKEVHELLTNFNLQDEFPLLE
ATYKVIYENG SVDDFPQLLEGDQ

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).



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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 strain SC5314 / ATCC MYA-2876 GPD2 full length protein (1-371aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. GPD2, also known as GDH2 or GPDM or mGDH, 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.