

## Recombinant Human GPD1 protein(Met1-Met349), His-tagged

Cat. No. GPD1-281H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human GPD1(P21695) (Met1-Met349) was expressed in E. coli with a polyhistidine tag at the N-terminus.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Met1-Met349   |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Bio-activity</b>     | Measured by its ability to catalyze dihydroxyacetone phosphate (DHAP) to glycerol-3-phosphate, The specific activity is > 400 pmols/min/ug.   |
| <b>Molecular Mass</b>   | The recombinant human GPD1 consists of 364 amino acids and predicts a molecular mass of 39.4 KDa. It migrates as an approximately 33-37 KDa band in SDS-PAGE under reducing conditions.   |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [GPD1 glycerol-3-phosphate dehydrogenase 1 \(soluble\) \[ Homo sapiens \]](#)

**Official Symbol** [GPD1](#)

**Synonyms** GPD1; glycerol-3-phosphate dehydrogenase 1 (soluble); glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic; glycerophosphate dehydrogenase; glycerol-3-phosphate dehydrogenase [NAD+], cytoplasmic; GPD-C; HTGTI; GPDH-C; FLJ26652;

**Gene ID** [2819](#)

**mRNA Refseq** [NM\\_001257199](#)

**Protein Refseq** [NP\\_001244128](#)

**MIM** [138420](#)

**UniProt ID** [P21695](#)

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