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

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

SPECIFICATION

Product Overview	Recombinant Human GPD1(P21695) (Met1-Met349) was expressed in E. coli with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	Met1-Met349
Form	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.
Bio-activity	Measured by its ability to catalyze dihydroxyacetone phosphate (DHAP) to glycerol-3-phosphate, The specific activity is > 400 pmols/min/ug.
Molecular Mass	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.
Purity	> 95 % as determined by SDS-PAGE
Storage	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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