

Recombinant Human GPD1

Cat. No. GPD1-26093TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Glycerol 3 Phosphate Dehydrogenase; amino acids 1-349, 37.5kDa.
Species	Human
Source	E.coli
ProteinLength	1-349 a.a.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MASKKVCIVG SGNWGSIAIK IVGGNAAQLA QFDPRVTMWV FEEDIGGKKL TEIINTQHEN VKYLPGHKLP PNVAVPDVV QAAEDADILI FVPHQFIGK ICDQLKGHLK ANATGISLIK GVDEGPNGLK LISEVIGERL GIPMSVLMGA NIASEVADEK FCETTIGCKD PAQGQLLKEK MQTPNFRITV VQEVDTVEIC GALKNVVAVG AGFCDGLGFG DNTKAAVIRL GLMEMIAFAK LFCSGPVSSA TFLESCGVAD LITTCYGGRN RKVAEAFART GKSIEQLEKE LLNGQKLQGP ETARELYSIL QHKGLVDKFP LFMAVYKVCY EGQPVGEFIH CLQNHPEHM

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Sequence Similarities	Belongs to the NAD-dependent glycerol-3-phosphate dehydrogenase family.
Full Length	Full L.
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;
Gene ID	2819
mRNA Refseq	NM_005276
Protein Refseq	NP_005267
MIM	138420
Uniprot ID	P21695
Chromosome Location	12
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Triacylglyceride Synthesis, organism-specific biosystem;

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Function

NAD binding; glycerol-3-phosphate dehydrogenase [NAD⁺] activity; glycerol-3-phosphate dehydrogenase activity; protein homodimerization activity;

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