

Recombinant Human GPD1 protein, His-SUMO-tagged

Cat. No. GPD1-2988H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPD1 protein(P21695)(1-349aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-349aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	53.6 kDa
AA Sequence	MASKKVCIVGSGNWGSAIAKIVGGNAAQLAQFDPRVTMWVFEEDIGGKKLTEIINTQ HENVKYLPGHKLPPNVVAVPDVVQAAEDADILIFVVPHQFIGKICDQLKGHLKANATG ISLIKGVDEGPNGLKLISEVIGERLIGIPMSVLMGANIASEVADEKFCETTIGCKDPAQG QLLKELMQTPNFRITVVQEVDTEICGALKNNVAVGAGFCDGLGFGDNTKAAVIRLG LMEMIAFAKLFCSGPVSSATFLESCGVADLITTCYGGNRNRKVAEAFARTGKSIEQLEK ELLNGQKLQGPETARELYSILQHKGLVDKFPLFMAVYKVCYEGQPVGFEFIHCLQNHP EHM
Purity	Greater than 90% as determined by SDS-PAGE.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.
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