

## 32-7671: Recombinant Human GPD1/GDP-C (C-6His)

**Gene :** GPD1  
**Gene ID :** 2819  
**Uniprot ID :** P21695

### Description

Source: Human Cells.

MW :38.6kD.

Recombinant Human GPD1 is produced by our Mammalian expression system and the target gene encoding Met1-Met349 is expressed with a 6His tag at the C-terminus. Glycerol-3-Phosphate Dehydrogenase [NAD(+)], Cytoplasmic (GPDH-C) belongs to the NAD-Dependent Glycerol-3-Phosphate Dehydrogenase family. GPDH-C plays a critical role in carbohydrate and lipid metabolism by catalyzing the reversible conversion of Dihydroxyacetone Phosphate (DHAP) and reducing Nicotine Adenine Dinucleotide (NADH) to Glycerol-3-Phosphate (G3P) and NAD+. GPDH-C is inhibited by zinc ions and sulfate. Mutations in this gene are a cause of transient infantile hypertriglyceridemia. GPDH-C is unlike Glyceraldehyde 3-Phosphate Dehydrogenase (GAPDH); they have different substrates.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 10% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MASKKVCIVGSGNWGSAIAKIVGGNAAQLAQFDPRVTMWVFEEDIGGKKLTEIINTQHENVKYLPGHKLPPNVV  
AVPDVVQAAEDADILIFVVPHQFIGKICDQLKGHLKANATGISLIKGVDEGPNGLKLISEVIGERLGIPMSVLMGA  
NIASEVADEKFCETTIGCKDPAQGQLLKELMQTPNFRITVVQEVDTEICGALKNVVAVGAGFCDGLGFGDNTK  
AAVIRLGLMEMIAFAKLFCSGPVSSATFLESCGVADLITTCYGGNRNRKVAEAFARTGKSIEQLEKELLNGQKLQG  
PETARELYSILQHKGLVDKFPLFMAVYKVCYEGQPVGEFIHCLQNHPEHMDVHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.