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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 NIASEVADEKFCETTIGCKDPAQGQLLKELMQTPNFRITVVQEVDTVEICGALKNVVAVGAGFCDGLGFGDNTK AAVIRLGLMEMIAFAKLFCSGPVSSATFLESCGVADLITTCYGGRNRKVAEAFARTGKSIEQLEKELLNGQKLQG PETARELYSILQHKGLVDKFPLFMAVYKVCYEGQPVGEFIHCLQNHPEHMVDHHHHHH

Application Note

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