

## 32-2386: GPD1 Recombinant Protein

**Alternative Name :** EC 1.1.1.8,Glycerol-3-phosphate dehydrogenase [NAD+],GPDH-C,GPD-C,GPD1.

### Description

Source : Escherichia Coli. GPD1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 349 amino acids (1-349 a.a.) and having a molecular mass of 37.5 kDa. The GPD1 is purified by conventional chromatography. GPD1 enzyme catalyzes the reduction of dihydroxyacetone phosphate to sn-glycerol 3-phosphate. (sn-glycerol 3-phosphate + NAD+ = glycerone phosphate + NADH) previous names for glycerol-3-phosphate dehydrogenase include alpha glycerol-3-phosphate dehydrogenase and glycerolphosphate dehydrogenase. However, GPD1 differs from glyceraldehyde 3-phosphate dehydrogenase (GAPDH) whose substrate is an aldehyde not an alcohol.

### Product Info

**Amount :** 25 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The GPD1 protein solution contains 20mM Tris-HCl pH-8, and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Amino Acid :** MASKKVCIVG SGNWGSIAIK IVGGNAAQLA QFDPRVTMWV FEEDIGGKKL TEIINTQHEN VKYLPGHKLP  
PNVVAVPDVV QAAEDADILI FVVPHQFIGK 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.

