

GPD1 Protein Crystal

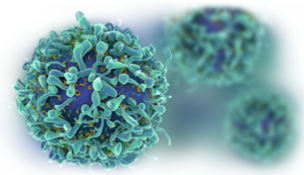
Catalog: CBCRY30

PRODUCT INFORMATION

Name	GPD1 Protein Crystal
Cat No.	CBCRY30
Fragment	Full length
Protein Description	Glycerol-3-phosphate Dehydrogenase [NAD+], Cytoplasmic
Background	Homo sapiens L-alpha-glycerol-3-phosphate dehydro-genase 1 (GPD1) catalyzes the reversible biological conversion of dihydroxyacetone (DHAP) to glycerol-3-phosphate. The GPD1 protein was expressed in Escherichia coli, and purified as a fusion protein with glutathione S-transferase.
Protein Classification	Oxidoreductase
Structure Weight	39164.02 Da
Method	X-Ray Diffraction
Resolution	2.75Å
Ligand Chemical Component	NAD; Sulfate ion
Reference	Ou, X., Ji, C., Han, X., Zhao, X., Li, X., Mao, Y., Wong, L.L., Bartlam, M., Rao, Z. (2006) Crystal Structures of Human Glycerol 3-phosphate Dehydrogenase 1 (GPD1) J.Mol.Biol. 357: 858-869

USAGE GUIDELINES

General	Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggregate formation.
Storage	Short term: +2°C to +8°C Long term: -80°C
Stability	n.a.

**Freezing**

Can be frozen, but avoid multiple freeze/thaw cycles.
