



# GPD1 Protein Crystal

Catalog: CBCRY30

## PRODUCT INFORMATION

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<b>Name</b>	GPD1 Protein Crystal
<b>Cat No.</b>	CBCRY30
<b>Fragment</b>	Full length
<b>Protein Description</b>	Glycerol-3-phosphate Dehydrogenase [NAD+], Cytoplasmic
<b>Background</b>	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.
<b>Protein Classification</b>	Oxidoreductase
<b>Structure Weight</b>	39164.02 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.75Å
<b>Ligand Chemical Component</b>	NAD; Sulfate ion
<b>Reference</b>	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