



BPGM Protein Crystal

Catalog: CBCRY13

PRODUCT INFORMATION

Product Name	BPGM Protein Crystal
Catalog Number	CBCRY13
Fragment	Full length
Protein Description	2,3-bisphosphoglycerate mutase
Background	Bisphosphoglycerate mutase is an erythrocyte-specific enzyme catalyzing a series of intermolecular phosphoryl group transfer reactions. Its main function is to synthesize 2,3-bisphosphoglycerate, the allosteric effector of hemoglobin.
Protein Classification	Isomerase
Structure Weight	63399.57 Da
PDBID	2HHJ
Method	X-Ray Diffraction
Resolution	1.5 Å
Ligand Chemical Component	3-phosphoglyceric acid; 2,3-diphosphoglyceric acid; cyclohexylammonium ion
Reference	Wang, Y., Liu, L., Wei, Z., Cheng, Z., Lin, Y., Gong, W. (2006) Seeing the process of histidine phosphorylation in human bisphosphoglycerate mutase. J.Biol.Chem. 281: 39642-39648
cDNA Length	813

USAGE GUIDELINES



General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.