



GMPR2 Protein Crystal

Catalog: CBCRY17

PRODUCT INFORMATION

Product Name	GMPR2 Protein Crystal
Catalog Number	CBCRY17
Fragment	Full length
Protein Description	Guanosine monophosphate reductase 2
Background	Guanosine monophosphate reductase (GMPR) Catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides. Plays a role in modulating cellular differentiation.
Protein Classification	Oxidoreductase
Structure Weight	161477.73 Da
PDBID	2A7R
Method	X-Ray Diffraction
Resolution	3.0 Å
Ligand Chemical Component	guanosine-5'-monophosphate; sulfate ion



Reference	Li, J., Wei, Z., Zheng, M., Gu, X., Deng, Y., Qiu, R., Chen, F., Ji, C., Gong, W., Xie, Y., Mao, Y. (2006) Crystal Structure of Human Guanosine Monophosphate Reductase 2 (GMPTx) in Complex with GMP J.Mol.Biol. 355: 980-988
cDNA Length	1098

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.