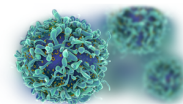


PBGD Protein Crystal

Catalog: CBCRY24

PRODUCT INFORMATION

Product Name	PBGD Protein Crystal
Catalog Number	CBCRY24
Fragment	Full length
Protein Description	Porphobilinogen deaminase
Background	The protein is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into the linear hydroxymethylbilane. Mutations in this gene are associated with the autosomal dominant disease acute intermittent porphyria. Alternatively spliced transcript variants encoding different isoforms have been described.
Protein Classification	Transferase
Structure Weight	80152.23 Da
PDBID	3ECR
Method	X-Ray Diffraction
Resolution	2.18Å
Ligand Chemical Component	DPM



Reference	Song, G., Li, Y., Cheng, C., Zhao, Y., Gao, A., Zhang, R., Joachimiak, A., Shaw, N., Liu, Z.J. (2009) Structural insight into acute intermittent porphyria. <i>Faseb J.</i> 23: 396-404
cDNA Length	1092

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.