



# PBGD Protein Crystal

Catalog: CBCRY24

## PRODUCT INFORMATION

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<b>Name</b>	PBGD Protein Crystal
<b>Cat No.</b>	CBCRY24
<b>Fragment</b>	Full length
<b>Protein Description</b>	Porphobilinogen deaminase
<b>Background</b>	<p>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.</p>
<b>Protein Classification</b>	Transferase
<b>Structure Weight</b>	80152.23 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.18Å
<b>Ligand Chemical Component</b>	DPM
<b>Reference</b>	<p>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</p>