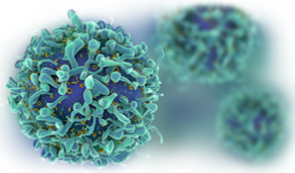

IDI1 Protein Crystal

Catalog: CBCRY10

PRODUCT INFORMATION

Name	IDI1 Protein Crystal
Cat No.	CBCRY10
Fragment	Full length
Protein Description	Isopentenyl-diphosphate delta-isomerase 1
Background	IDI1 encodes a peroxisomally-localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP), which are the substrates for the su ccessive reaction that results in the synthesis of farnesyl diphosphate and, ultimately, cholesterol. It has been sh own in peroxisomal deficiency diseases such as Zellweger syndrome and neonatal adrenoleukodystrophy that t here is reduction in IPP isomerase activity.
Protein Classification	Isomerase
Structure Weight	56107.39 Da
Method	X-Ray Diffraction
Resolution	2.00 Å
Ligand Chemical Component	Acetic acid; Aminoethanolpyrophosphate; Magnesium ion; Manganese ion
Reference	Zhang, C., Liu, L., Xu, H., Wei, Z., Wang, Y., Lin, Y., Gong, W. (2007) Crystal structures of human IPP isom erase: new insights into the catalytic mechanism J.Mol.Biol. 366: 1437-1446

USAGE GUIDELINES

General	Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggr egate formation.
Storage	Short term: +2°C to +8°C Long term: -80°C

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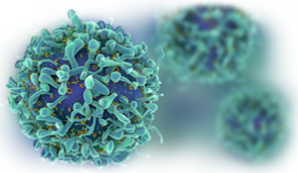
Email: info@structure-analyzer.com



Stability	n.a.
Freezing	Can be frozen, but avoid multiple freeze/thaw cycles.

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