



Cyct Protein Crystal

Catalog: CBCRY29

PRODUCT INFORMATION

Product Name	Cyct Protein Crystal
Catalog Number	CBCRY29
Fragment	Full length
Protein Description	Cytochrome c, Testis-specific
Background	Cytochrome c, or cyt c is a small heme protein found loosely associated with the inner membrane of the mitochondrion. It belongs to the cytochrome c family of proteins. Cytochrome c is a highly soluble protein, unlike other cytochromes, with a solubility of about 100g/L and is an essential component of the electron transport chain, where it carries one electron. It is capable of undergoing oxidation and reduction, but does not bind oxygen.
Protein Classification	Electron Transport
Structure Weight	12541.14 Da
PDBID	2AIU
Method	X-Ray Diffraction
Resolution	1.6Å
Ligand Chemical Component	HEM; phosphate ion



Reference	Liu, Z., Lin, H., Ye, S., Liu, Q.Y., Meng, Z., Zhang, C.M., Xia, Y., Margoliash, E., Rao, Z., Liu, X.J. (2006) Remarkably high activities of testicular cytochrome c in destroying reactive oxygen species and in triggering apoptosis Proc.Natl.Acad.Sci.Usa 103: 8965-8970
cDNA Length	315

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.