



CLIC4 Protein Crystal

Catalog: CBCRY20

PRODUCT INFORMATION

Product Name	CLIC4 Protein Crystal
Catalog Number	CBCRY20
Fragment	Full length
Protein Description	Chloride intracellular channel 4
Background	Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. Chloride intracellular channel 4 (CLIC4) protein, encoded by the CLIC4 gene, is a member of the p64 family; the gene is expressed in many tissues and exhibits a intracellular vesicular pattern in Panc-1 cells (pancreatic cancer cells).
Protein Classification	Transport protein
Structure Weight	89641.50 Da
PDBID	2D2Z
Method	X-Ray Diffraction
Resolution	2.8Å
Reference	Li, Y.F., Li, D.F., Zeng, Z.H., Wang, D.C. (2006) Trimeric structure of the wild soluble chloride intracellular ion channel CLIC4 observed in crystals Biochem.Biophys.Res.Commun. 343: 1272-1278



cDNA Length	783
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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.