



ARTN Protein Crystal

Catalog: CBCRY32

PRODUCT INFORMATION

Product Name	ARTN Protein Crystal
Catalog Number	CBCRY32
Fragment	N-terminal truncated
Protein Description	Neurotrophic Factor Artemin Isoform 3
Background	Artemin (ARTN) is a member of the glial cell line-derived neurotrophic factor (GDNF) family ligands (GFLs) which regulate the development and maintenance of many neuronal populations in the mammalian nervous system. Here we report the 1.92 Å crystal structure of the complex formed between ARTN and its receptor GFRalpha3, which is the initiating step in the formation of a ternary signaling complex containing the shared RET.
Protein Classification	Hormone/growth Factor
Structure Weight	11574.40 Da
PDBID	2GYZ
Method	X-Ray Diffraction
Resolution	1.76Å
Reference	Wang, X., Baloh, R.H., Milbrandt, J., Garcia, K.C. (2006) Structure of Artemin Complexed with Its Receptor GFRalpha3: Convergent Recognition of Glial Cell Line-Derived Neurotrophic Factors. Structure 14: 1083-1092



cDNA Length	315
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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.