

Neurotrophic Factor Artemin Isoform 3

Cat. No. CBCRY32 Lot. No. (See product label)

SPECIFICATION

Source	E.coli
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
Polymer	1
Molecule	neurotrophic factor artemin isoform 3
Chain Length	105 amino acids
PDB ID	2GYZ
MMDB ID	40051
Method	X-Ray Diffraction

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Resolution	1.76Å
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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
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GENE INFORMATION

Gene Name	ARTN
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Synonyms	ENOVIN; EVN; NBN; OTTHUMP00000009173; OTTHUMP00000009174; neublastin; neurotrophic factor; neurotrophic factor artemin
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UniProt ID	Q5T4W7
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Gene ID	9048
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Chromosome Location	1p33-p32
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Function	growth factor activity; receptor binding
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