

Specifications:

Gene:	hCNTNAP2
Accession:	NP_054860
Insert size:	4009bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

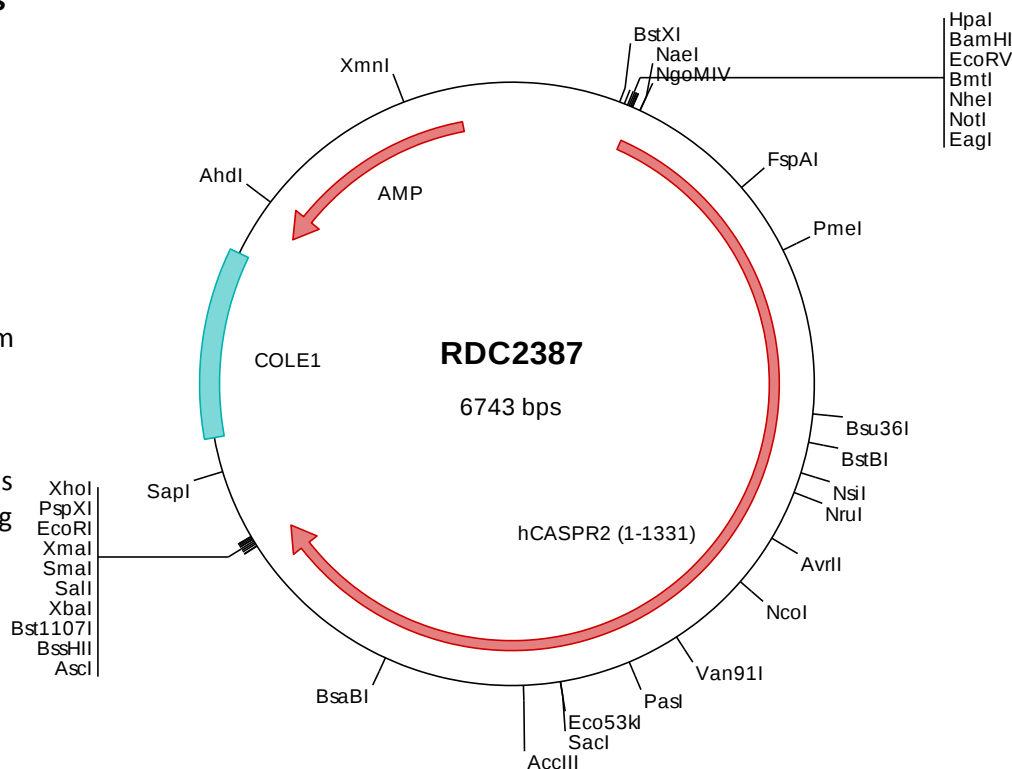
hCaspr2 cDNA Plasmid

CNTNAP2 contactin associated protein like 2 [*Homo sapiens* (human)]

Also known as: CDFE; NRXN4; AUTS15; CASPR2; PTHSL1

Summary:

CASPR2 is a member of the neurexin family which functions in the vertebrate nervous system as cell adhesion molecules and receptors. It is localized at the juxtaparanodes of myelinated axons, and mediates interactions between neurons and glia during nervous system development and is also involved in localization of potassium channels within differentiating axons. CASPR2 has been implicated in multiple neurodevelopmental disorders, including Gilles de la Tourette syndrome, schizophrenia, epilepsy, autism, ADHD and intellectual disability.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2387 Plasmid DNA Sequence

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> RDC2387 Translated Insert Sequence

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