

Specifications:

Gene:	hCHRNA1
Accession:	NP_000738
Insert size:	1519bp
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.

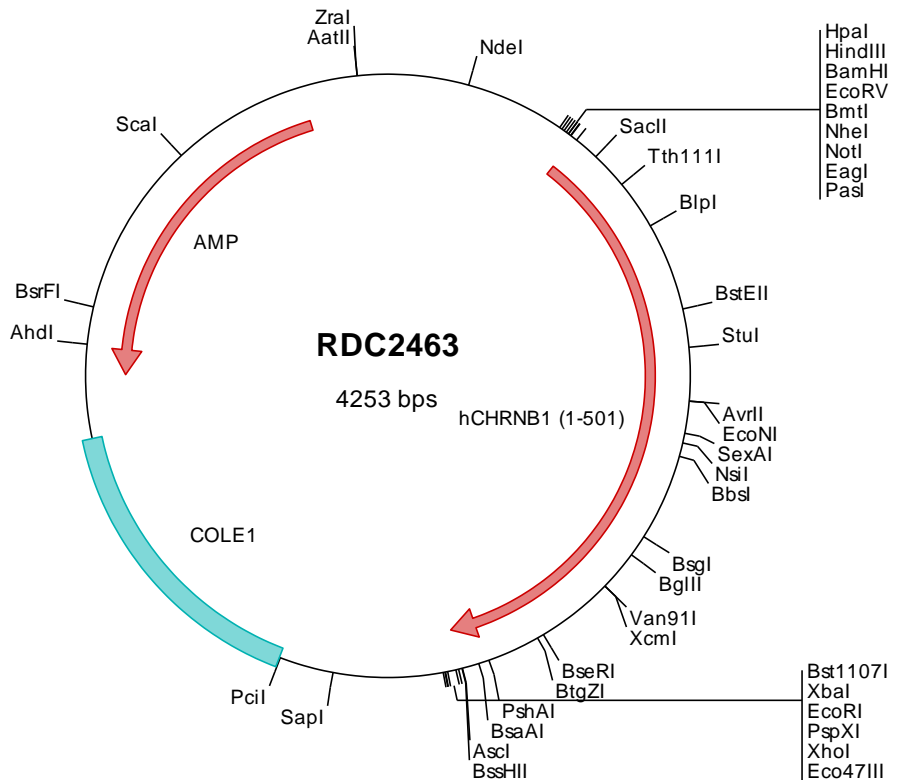
hnAChRβ1/CHRNA1 cDNA Plasmid

CHRNA1 cholinergic receptor nicotinic beta 1 subunit [*Homo sapiens* (human)]

Also known as: ACHRB; CHRNA1; CMS1D; CMS2A; CMS2C; SCCMS

Summary:

CHRNA1 is the beta subunit of the acetylcholine receptor. The muscle acetylcholine receptor is composed of five subunits: two alpha subunits and one beta, one gamma, and one delta subunit. The acetylcholine receptor changes conformation upon acetylcholine binding leading to the opening of an ion-conducting channel across the plasma membrane. Mutations in CHRNA1 are associated with slow-channel congenital myasthenic syndrome.



> RDC2463 Plasmid DNA Sequence

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> RDC2463 Translated Insert Sequence

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501 p

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