

Specifications:

Gene:	hCHRNA3
Accession:	NP_005190
Insert size:	1567bp
Concentration:	10µg at 0.2µg/µL

hCHRNA3 cDNA Plasmid

**CHRNA3 cholinergic receptor
nicotinic gamma subunit [*Homo sapiens* (human)]**

Also known as: ACHRA3

Summary:

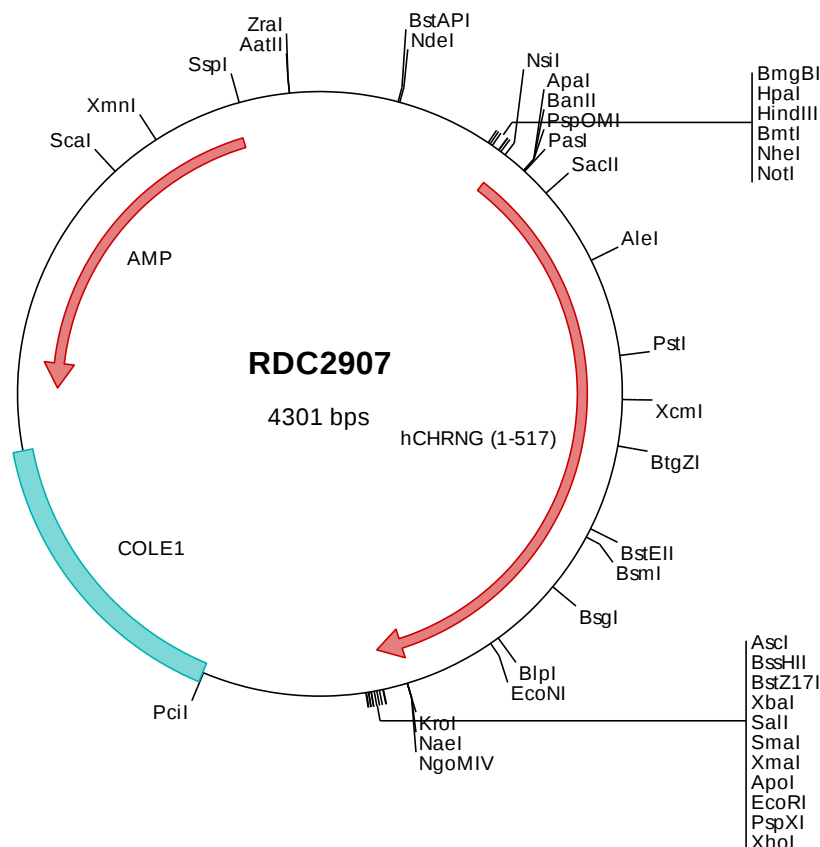
The mammalian muscle-type acetylcholine receptor is a transmembrane pentameric glycoprotein with two alpha subunits, one beta, one delta, and one epsilon (in adult skeletal muscle) or gamma (in fetal and denervated muscle) subunit. CHRNA3 is the gamma subunit and expressed prior to the thirty-third week of gestation in humans. The gamma subunit of the acetylcholine receptor plays a role in neuromuscular organogenesis and ligand binding and disruption of gamma subunit expression prevents the correct localization of the receptor in cell membranes. Mutations in CHRNA3 cause Escobar syndrome and a lethal form of multiple pterygium syndrome.

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.



> RDC2907 Plasmid DNA Sequence

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> RDC2907 Translated Insert Sequence

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