

Specifications:

Gene:	<i>hAGRN</i>
Accession:	NP_940978.2
Insert size:	6151bp
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.

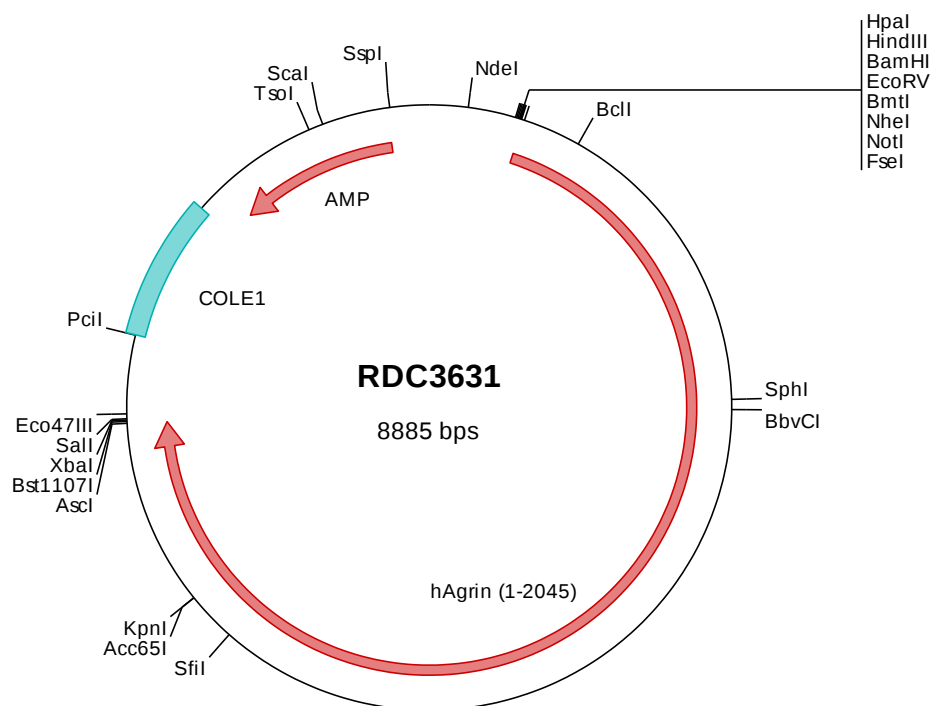
hAgrin cDNA Plasmid

AGRN agrin [*Homo sapiens* (human)]

Also known as: CMS8; AGRIN; CMSPPD

Summary:

AGRN is one of several proteins that are critical in the development of the neuromuscular junction (NMJ), as identified in mouse knock-out studies. AGRN contains several laminin G, Kazal type serine protease inhibitor, and epidermal growth factor domains. Additional post-translational modifications occur to add glycosaminoglycans and disulfide bonds. In one family with congenital myasthenic syndrome affecting limb-girdle muscles, a mutation in AGRN was found. Alternative splicing results in multiple transcript variants encoding different isoforms.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3631 Plasmid DNA Sequence

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> RDC3631 Translated Insert Sequence

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