

Specifications:

Gene:	<i>hSEMA6C</i>
Accession:	NP_112175
Insert size:	2806bp
Concentration:	10µg at 0.2µg/µL

**hSemaphorin 6C
cDNA Plasmid**

**SEMA6C sema domain,
transmembrane domain (TM),
and cytoplasmic domain,
(semaphorin) 6C [*Homo sapiens*
(human)]**

Also known as: SEMAY; m-SemaY;
m-SemaY2

Summary:

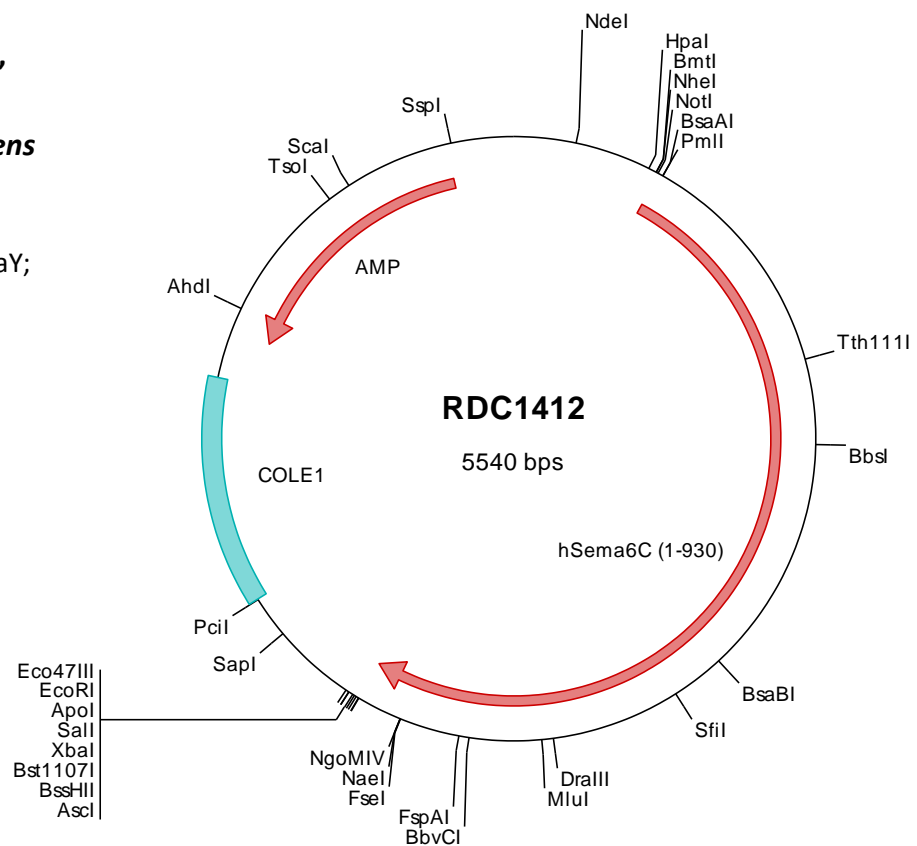
Sema6C is a member of the semaphorin family. Sema6C is expressed developmentally in subregions of the central and peripheral nervous systems, heart, and kidney, and primarily in skeletal muscle in adults. Sema6C is co-expressed with and binds to Plexin A1. This interaction is thought to guide proprioceptive peripheral neurons by repulsion, excluding them from the superficial dorsal horn of the spinal cord.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1412 Plasmid DNA Sequence

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> RDC1412 Translated Insert Sequence

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