

Specifications:

Gene:	hSEMA4C
Accession:	NP_060259
Insert size:	2515bp
Concentration:	10µg at 0.2µg/µL

hSemaphorin 4C cDNA Plasmid

**SEMA4C sema domain,
immunoglobulin domain (Ig),
transmembrane domain (TM)
and short cytoplasmic domain,
(semaphorin) 4C [*Homo sapiens*
(human)]**

Also known as: SEMAF; SEMAI;
SEMACL1; M-SEMA-F

Summary:

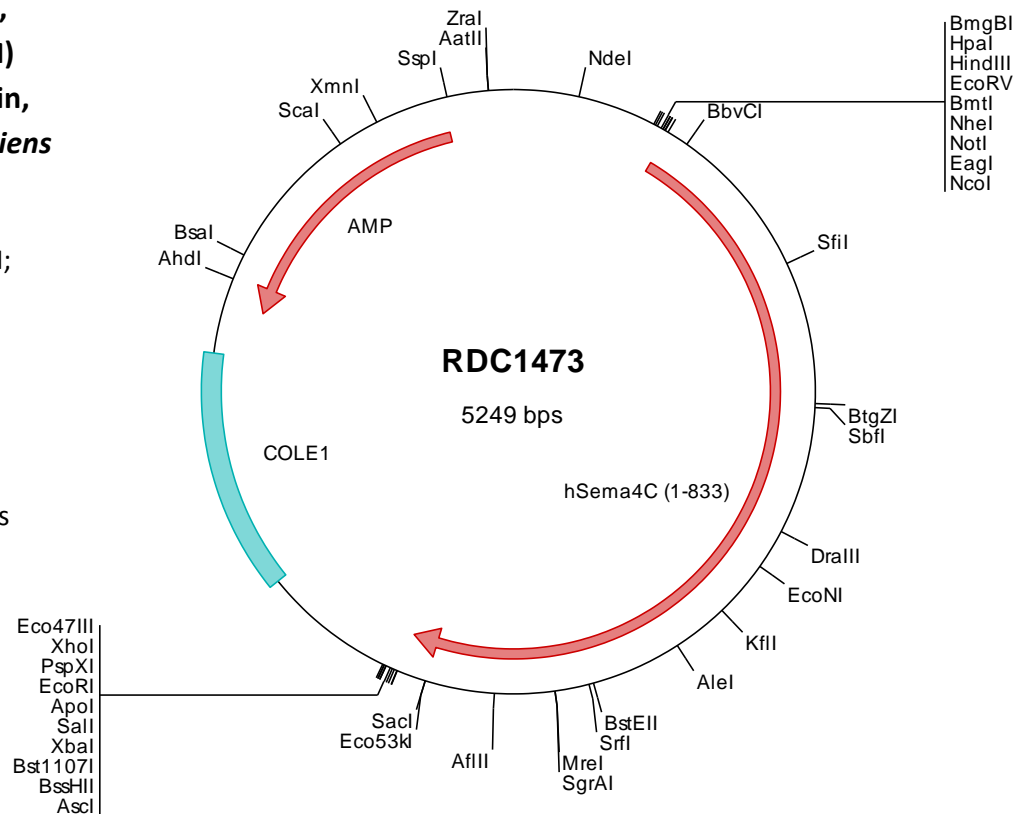
Sema4C is a class IV member of the semaphorin family of proteins. It is a cell surface receptor for PLXNB2 which plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2. Sema4C is expressed by precursors to neurons and myocytes, and may regulate their differentiation into mature forms.

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

> RDC1473 Plasmid DNA Sequence

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> RDC1473 Translated Insert Sequence

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