

Specifications:

| | |
|----------------|------------------|
| Gene: | hSEMA3F |
| Accession: | AAH42914.1 |
| Insert size: | 2371bp |
| Concentration: | 10µg at 0.2µg/µL |

hSemaphorin 3F cDNA Plasmid

SEMA3F semaphorin 3F [*Homo sapiens* (human)]

Also known as: SEMA4; SEMAK;
SEMA-IV

Summary:

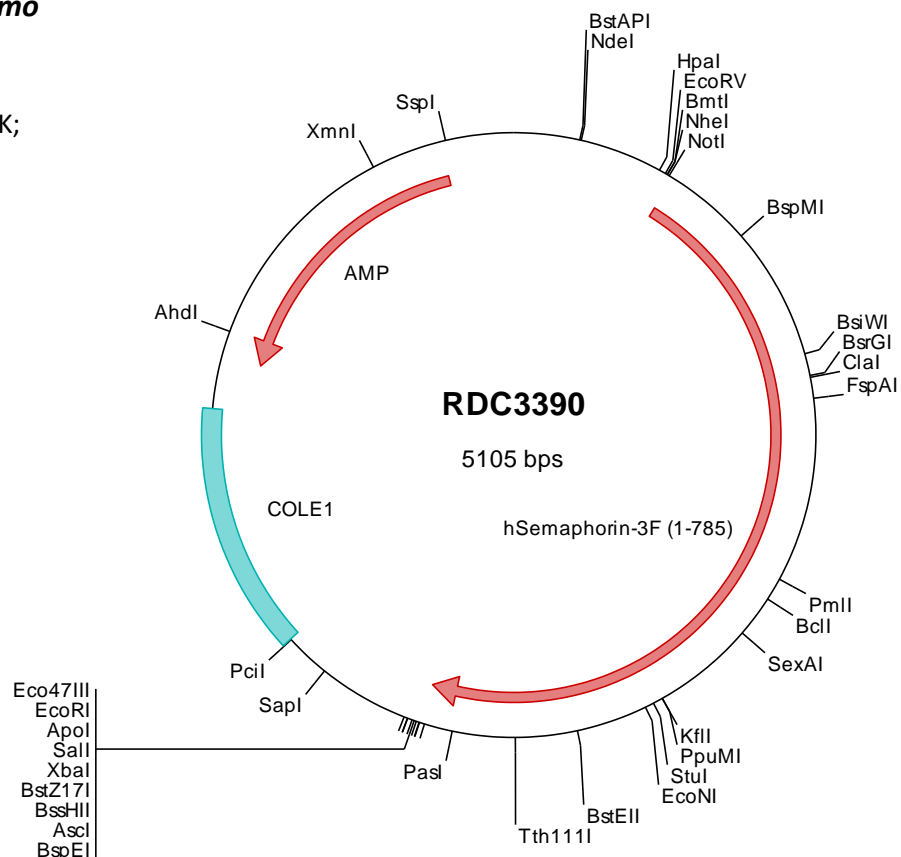
Sema3F is a member of the semaphorin III family of secreted signaling proteins that are involved in axon guidance during neuronal development. It contains an N-terminal Sema domain, an immunoglobulin loop and a C-terminal basic domain. Sema3F is expressed by the endothelial cells where it was found to act in an autocrine fashion to induce apoptosis, inhibit cell proliferation and survival, and function as an anti-tumorigenic agent. Alternatively spliced transcripts encoding different proteins have been described.

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

> RDC3390 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201 ccgcacacgat gcgtaagggag aaaataaccgc atcaggcgcc attcgcatt caggctcgcg aactgttggg aagggcgatc ggtcggggcc tcttcgctat
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> RDC3390 Translated Insert Sequence

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