

Specifications:

| | |
|----------------|------------------|
| Gene: | hSEMA5B |
| Accession: | NP_001026872 |
| Insert size: | 3469bp |
| Concentration: | 10µg at 0.2µg/µL |

hSemaphorin 5B cDNA Plasmid

SEMA5B semaphorin 5B [*Homo sapiens* (human)]

Also known as: SemG; SEMAG

Summary:

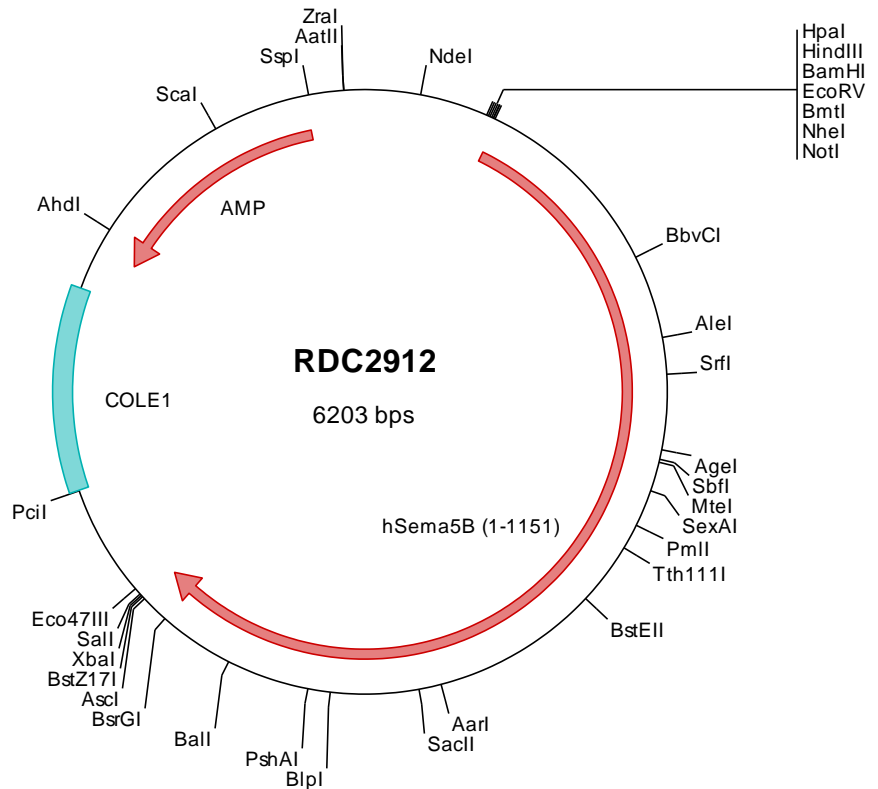
SEMA5B is a member of the semaphorin protein family which regulates axon growth during development of the nervous system. It has a characteristic Sema domain near the N-terminus, through which semaphorins bind to plexin, and five thrombospondin type 1 repeats in the C-terminal region of the protein. SEMA5B may be cleaved and exist as a secreted molecule. 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

> RDC2912 Plasmid DNA Sequence

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> RDC2912 Translated Insert Sequence

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