

Specifications:

Gene:	mSema5b
Accession:	NP_038689.2
Insert size:	3295bp
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.

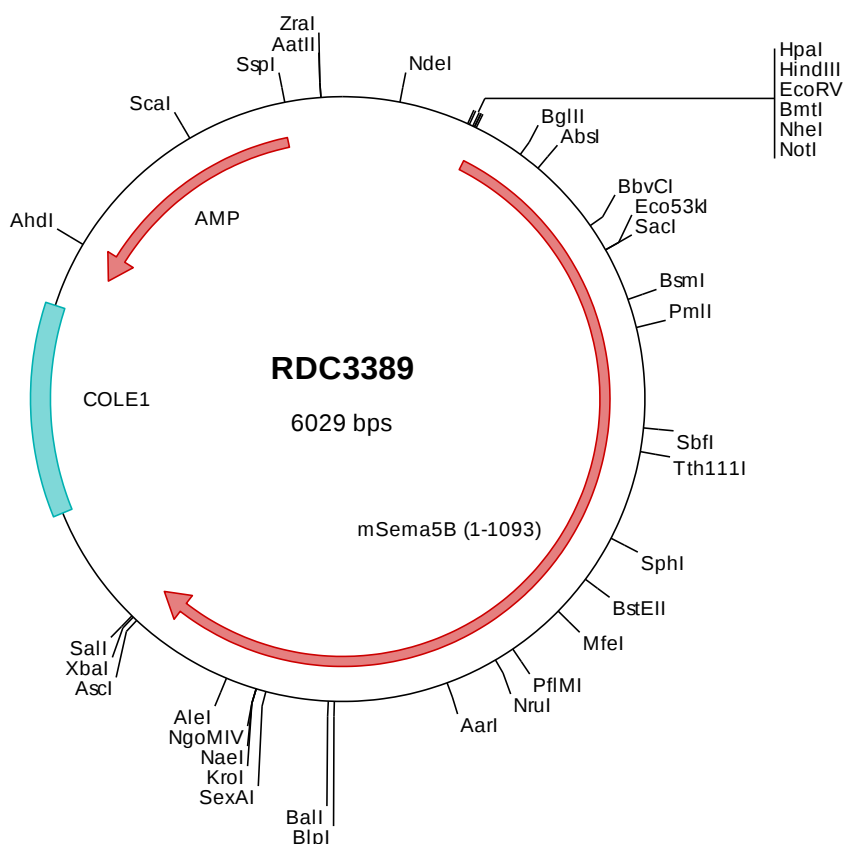
mSemaphorin 5B cDNA Plasmid

Sema5b semaphorin 5B [*Mus musculus* (house mouse)]

Also known as: Sem; SemG;
Semag; AI893641; mKIAA1445

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.



> RDC3389 Plasmid DNA Sequence

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