

Specifications:

Gene:	<i>cynoSEMA3A</i>
Accession:	XP_005550410
Insert size:	2332bp
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.

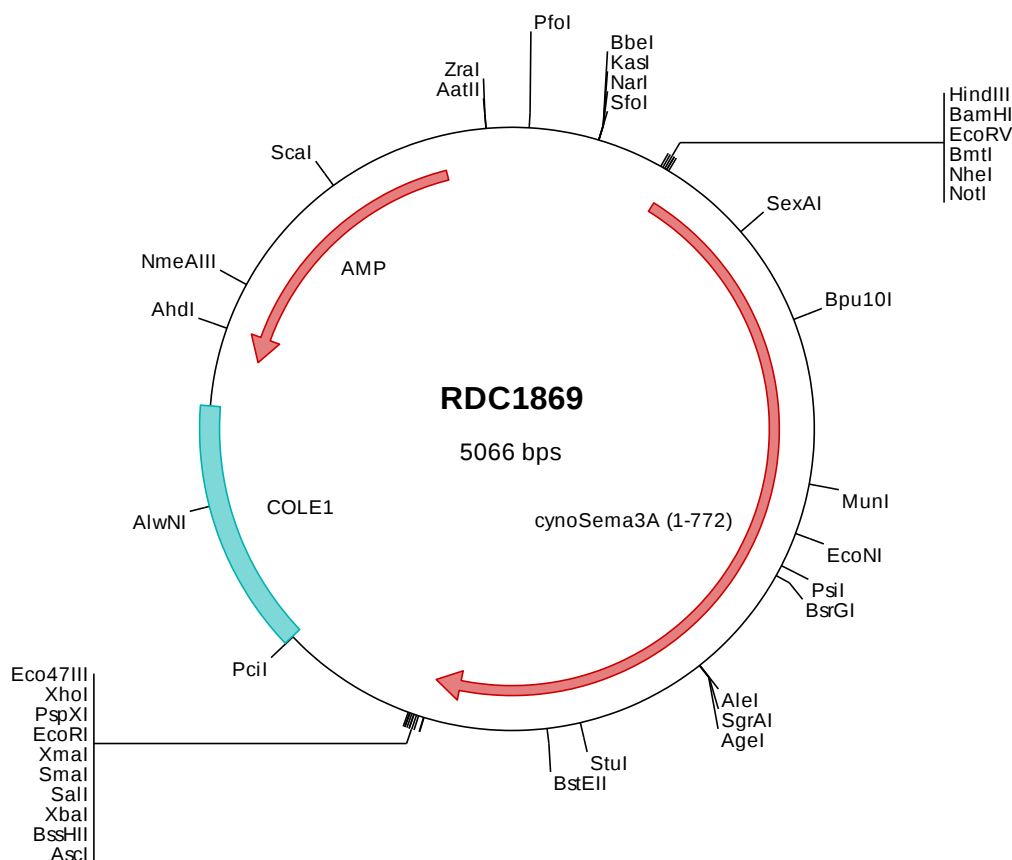
cynoSemaphorin 3A cDNA Plasmid

SEMA3A semaphorin 3A

[*Macaca fascicularis* (crab-eating macaque)]

Summary:

SEMA3A is one of six Class 3 secreted semaphorins which are potent chemorepellents that function in axon and/or vascular guidance during development. SEMA3A signaling is transduced by plexin A1-4, indirectly via neuropilin-1. SEMA3A activity is mediated by small GTPases that influence actin rearrangement and integrin activity. It is important in developmental organization of central and peripheral nerves, including those in heart, lung, kidneys, bones, teeth, and visual and olfactory systems.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1869 Plasmid DNA Sequence

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> RDC1869 Translated Insert Sequence

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