

Specifications:

Gene:	mSema4g
Accession:	NP_036106
Insert size:	2527bp
Concentration:	10µg at 0.2µg/µL

mSemaphorin 4G cDNA Plasmid

**Sema4g sema domain,
immunoglobulin domain (Ig),
transmembrane domain (TM)
and short cytoplasmic domain,
(semaphorin) 4G [*Mus musculus*
(house mouse)]**

Also known as: AI507908;
AW554132

Summary:

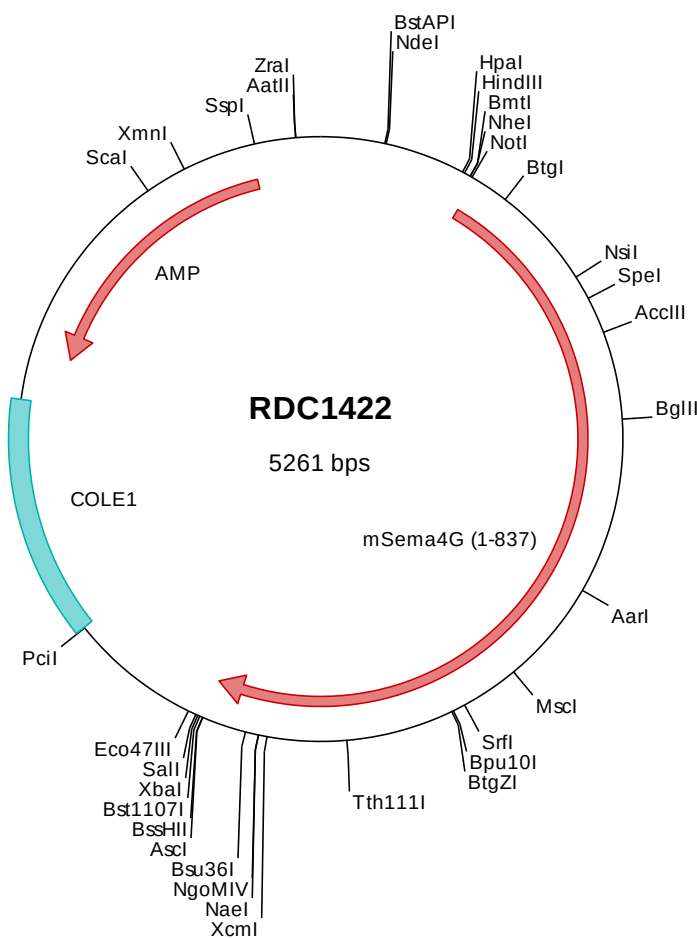
SEMA4G is a class IV member of the semaphorin family. Semaphorins have been shown to have roles in cardiovascular development and in the regulation of immune cell antigen presentation. SEMA4G is expressed by select cell types, including oligodendroglia and Purkinje neurons, and likely acts as a chemorepellent by binding to B type plexins.

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

> RDC1422 Plasmid DNA Sequence

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> RDC1422 Translated Insert Sequence

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