

Specifications:

Gene:	mSema3g
Accession:	NP_001020550.1
Insert size:	2356bp
Concentration:	10µg at 0.2µg/µL

**mSemaphorin 3G
cDNA Plasmid**

**Sema3g sema domain,
immunoglobulin domain (Ig),
short basic domain, secreted,
(semaphorin) 3G [*Mus musculus*
(house mouse)]**

Also known as: AK129018

Summary:

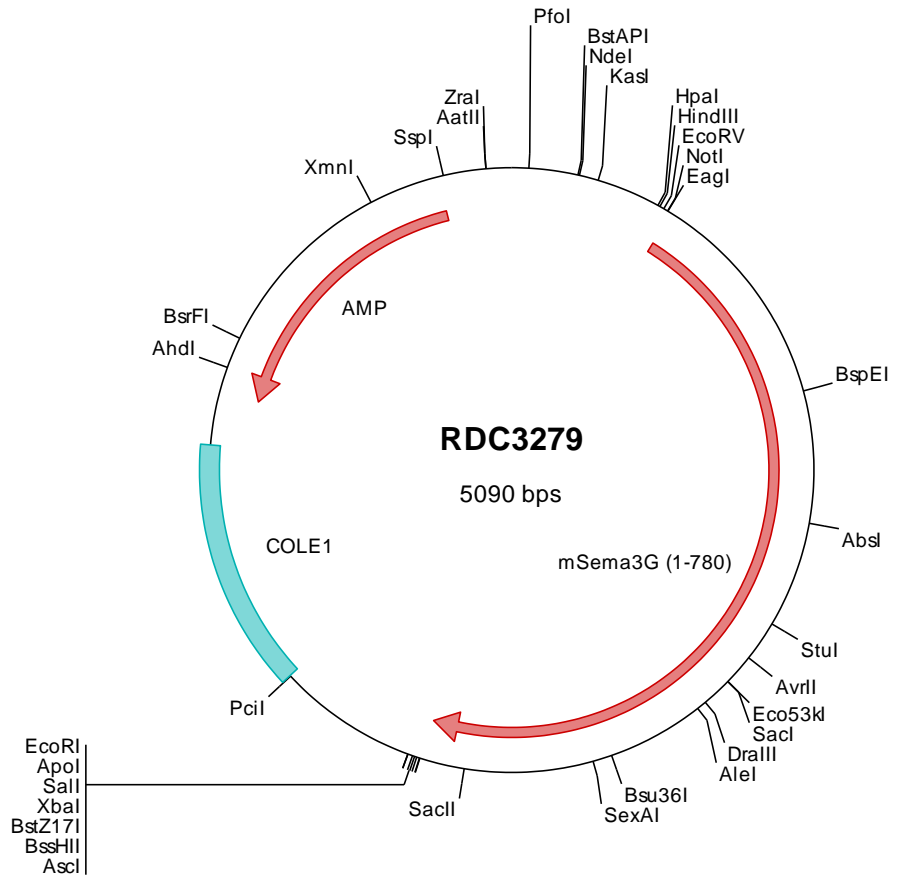
Sema3G is a member of the Semaphorin family of proteins. Class 3 semaphorins are secreted proteins that regulate cell growth, morphology and migration. The transcription of Sema3G is activated by PPAR-gamma. It plays a role in endothelial cell migration. Expression of Sema3G inhibits tumor cell migration and invasion.

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.



> RDC3279 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaacc totgacacat gcagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagccc
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> RDC3279 Translated Insert Sequence

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