

Product datasheet for **RR205977**

Sema4f (NM_019272) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema4f (NM_019272) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sema4f
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR205977 representing NM_019272
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGGATCGCC**

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 AACCTCGTGCATCTCCGAGGCTGACTCCTATCTCACCGGTTTGCAGCGTCTCATACGTACAATTAC
 TCTGCTCTCCTTGTGGATCCTGCCTCCCACACTTTACGTGGTGCACGGGATAGCATCTTCGTTTAA
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Protein Sequence: >RR205977 representing NM_019272
Red=Cloning site Green=Tags(s)

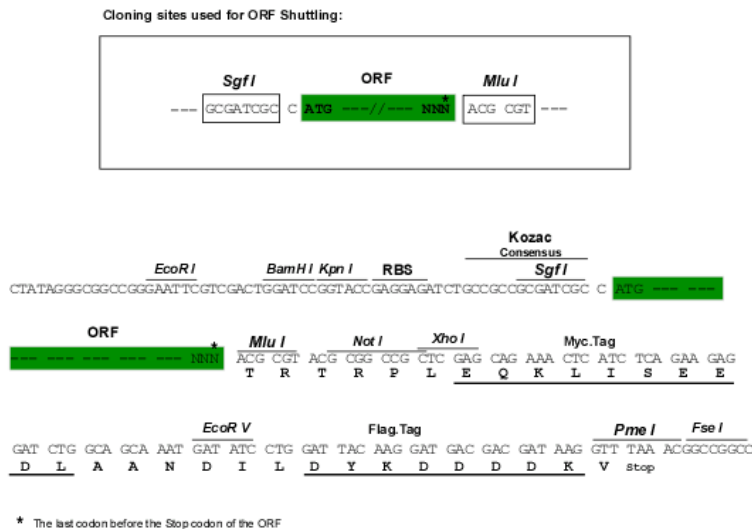
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Restriction Sites:

SgfI-MluI

Cloning Scheme:



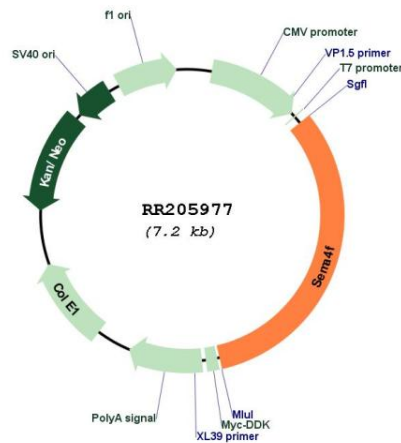
ACCN: NM_019272

ORF Size: 2328 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_019272.1, NP_062145.1</u>
RefSeq Size:	4008 bp
RefSeq ORF:	2331 bp
Locus ID:	29745
UniProt ID:	<u>Q9Z143</u>
Cytogenetics:	4q34
MW:	84.3 kDa
Gene Summary:	has axon growth-cone collapse activity [RGD, Feb 2006]

Product images:


Circular map for RR205977