

Product datasheet for **RR209946**

Sema4a (NM_001012078) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Sema4a (NM_001012078) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Sema4a |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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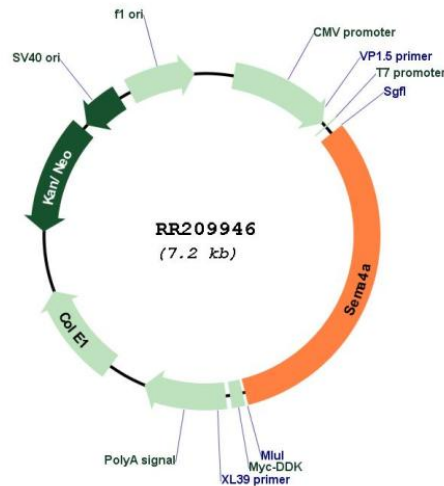
ORF Nucleotide
Sequence:

>RR209946 representing NM_001012078
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCATGGCCCTACCATCCCTGGGCCAAGACCCTGGAGTCTCCTGAGTGTTTTTTCTTCCAACGTG
 TCCTGCTGCTGCTACTGCCACCAGCTTCCGGGACTGGTGGGCAGGGACCGTGCCAGAGTCAAGTACCA
 TGGCGGAGATGGGCACAGGGCCCTCAGCTTCTTTCAACAAAAAGCCCTCCGGGACTTTGACACCCTGCTC
 CTGAGTGGAGATGGCAACACTCTGTATGTGGGGCTCGGGAGGCCATCTTGGCCCTGAATATCGAGAATC
 CAGGAATCCCAAGGCTGAGGAACATGATACCCTGGCCAGCCAGTGAGAAAAAAGAACGAATGTGCCTT
 TAAGAAGAAAAGCAATGAGACACAGTGTTCACCTTCATTGCTGTGCTGGTCTCTACAATGCCACTCAC
 CTCTATGCCTGCGGGACTTTTGCCTTCAGCCCCGCTGCACCTTCATTGAACTCCAAGATTCCTTCTGT
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 AGCTGTCTTGGTCGATGGGATGCTTTATCTGGCACCATGAACAACCTTCTGGGAGCGAACCCATCCTG
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 CTTCTTTGAGGAGCTGTACACATCCAGGGTGGCTCAAGTCTGCAAGAACGACGTAGGCGGTGAAAAGCTG
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 GGACATGGAACCGCGCAACCCGGAGTGGGCATGCGCCCGTGGCCCATGGCCAGGAGCCCCGGCGTCAG
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 GGCTATTCGTACCTGTAGTCTCCTACTGGGTAGACAGCCAGGACCAGCCCTGGCACTGGATCCTGAGC
 TGGCGGGCGTTCCCCGGGAGCGAGTGCAGGTCCCAGTACCAGGGTGGAGGGCGGGCTTCTATGGCTGC
 CCAGCGGTCTACTGGCCCCATTTCTCATCGTTACTGTCTCTGGCCATTGTGCTCTTGGGAGTGCTC
 ACTCTCCTCCTTGCTTCCCCACTGGGAGTGCTTCGGGCTCGGGTAAGGTTACAGGCTGTGGGATGCTGC
 CCCCCAGGAAAAGGCCCACTGAGCAGGGAACAGCACCTCCAGCCTTCCAAGGACCACAGGACCTCTGC
 CAGCGACGTAGATGCTGACAACAACCATCTGGGCGCTGAAGTGGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001012078

ORF Size: 2286 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:

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: [NM_001012078.2](#), [NP_001012078.2](#)

RefSeq Size: 3179 bp

RefSeq ORF: 2289 bp

Locus ID: 310630
Cytogenetics: 2q34
MW: 83.5 kDa