

Product datasheet for **RN208439**

Sema7a (NM_001108153) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema7a (NM_001108153) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema7a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208439 representing NM_001108153
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGCCTCCTCCTCCCGACGTGCCGCCCCAGCGCACCGCGCGCCCGCTCCTCAGCCTGCCGGCTC
 GGTTCCGGCTCCCGCTGCGGCTGCGGCTGCTGCTGGTGTCTGGGTGACCGCCCTCCGCCAAGGCCA
 CTCGAGGAGCGGACCCCGTATCTCCGCCGTCTGGAAAGGCGAGGACCATGTGGACTTTGGCCAGCCTGAG
 CCACACAATGTGCTTTTCCATGAGCCGGGACAGCTTCTCTGTCTGGGTAGGTGGACGAGGCAAGGTCTACC
 TCTTCACTTCCCGAGGGCAAGAATGCCTCTGTGCGCACGGTGAACATTGGCTCCACAAAAGGGTCTGT
 TCAGGACAAAACAGGACTGCGAGAATTACATCACTCTTCTTGAGAGGCGGGGAATGGACTGCTGGTCTGT
 GGCACCAATGCCCGAAACCCAGCTGCTGGAATTGGTGAATGACAGTGTGGTGTACTTGGTGTGAG
 TGAAGGCTATGCCCCCTCAGCCCGGATGAGAACTCCCTGGTTCTGTTGAAGGGGATGAAGTGTACTC
 TACAATCCGGAAGCAGGAATACAATGGCAAGATCCCTCGCTTTCGCCGCATTCCGGGAGAGAGTGAAGT
 TACACAAGTGATACTGTCAATGCAGAATCCACAGTTCATCAAGGCCACCATTGTGACCAGGACCAAGCCT
 ATGATGATAAGATCTACTACTTCTTCCGAGAAGACAACCCCTGACAAGAACCCCGAGGCTCCGCTCAATGT
 ATCCCGAGTGGCCAGTTATGCAGGGGGGACCAGGGTGGTGTGAGAGTTCATTGTCTGTCTCCAAGTGGAA
 ACCTTCTGAAAGCCATGCTGGTTTGCAGCGACGACGCCACCAACAGGAACCTTCAATCGACTGCAAGATG
 TCTTCTACTCCCTGACCCAGTGGCCAGTGGAGGGATACCAGGGTCTATGGCGTTTTCTCCAACCCCTG
 GAACTACTCAGCTGTCTGCGTGTATTGCTTGGTGACATTGACAGAGTCTCCGTACCTCCTCACTCAA
 GGCTACCACATGGGCCTTCCCAACCCCTGACCTGGCATGTGCCTCCCAAAAAGCAACCCATACCCACGG
 AAACCTTCCAGGTAGCCGACAGTCACCCGGAGGTGGCCAGAGAGTGGAAACCCATGGGGCCACTGAAGAC
 ACCATTGTTCCACTCTAAGTACCATTACCAGAAAAGTGGTTGTCCACCGCATGCAAGCCAGCAATGGGGAG
 ACCTTCCATGTACTTTACCTAACACAGACAGGGGACCACTTACAAGGTGGTGAATCAGGGGACCAGG
 AACACAGCTTTGTCTTCAACATCATGGAGATCCAGCCCTTTCACCGTGCAGCTGCCATCCAGGCCATATC
 GTTGGATGCTGACCGGCGGAAGCTCTATGTGACCTCCCGTGGGAAGTGAGCCAGGTACCCTGGACATG
 TGTGGGTCTACAGTGGGGGCTGCCATGGCTGCCTCATGTCCCGAGACCCCTACTGTGGCTGGGACCAGG
 ACCAGGACCGCTGTGTCTATCTACAGCTCCCAACGGTCACTGCTGCAGTCCATCAATCCAGCTGAGCC
 ACACAGAGAGTGTCCCAACCCCAACCCAGATGAGGCTCCATTGCAGAAGGTTTCCCTGGCCCGAACTCT
 CGATACTACCTGACCTGCCCATGGAGTCCCGCCACGCCACCTACTTATGGCGCCACGAGGAGAATGTGG
 AACAGAGCTGTGAGCCAGGCCACCAAGCCCGAGCTGCATTCTATTCATAGAGAACCTCACTGCCCGTCA
 GTACGGCCACTACCGCTGCGAGGCCCAAGAGGGTCTACCTCCATGAGGCTCAACTGGGAGCTGCTG
 CCGGAGGACAGAGCGCTGGCCGAACAGCTCTTGGGCCATGCCCGGGCCCTGGCCGCTCCTTCTGGCTGG
 GGTCTGCCACACTCGTACTAGGTCTGCTGGTCTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001108153
- Insert Size:** 2001 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001108153.1](#), [NP_001101623.1](#)

RefSeq Size: 2622 bp

RefSeq ORF: 2001 bp

Locus ID: 315711

Cytogenetics: 8q24