

Product datasheet for **MC217745**

Sema5a (BC065137) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema5a (BC065137) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sema5a
Synonyms:	5930434A13, semF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217745 representing BC065137
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGGGAGCCTGCATCCTTGCATGGCTGTTCTCAAGCCTGGGAGTGTGGAGACTTGCTAGGCCGAGA
CCCAGGACCCTGCCAAGTGCCAGAGAGCTGAGCACCTGTCTCTTACAAAGAAATTGGCCCCTGGTT
ACGGGAGTTCAGAGCCGAGAATGCTGTGGATTTCTCGAGGTTAACATTTGACCCAGGACAGAAAAGAACTT
GTCGTAGGAGCGAGAAACTATCTCTCAGATTAGAGCTTGAGGATCTGTCTCTCATCCAGGCTGTGGAGT
GGGAGTGTGACGAAGCCACCAAGAAGGCCTGTTACAGCAAGGGCAAATCGAAGGAGGAATGTCAGAACTA
CATACGAGTGTCTTAGTTGGTGGGACCCGGCTATTACCTGTGGGACCAATGCCTTCACACCTGTCTGT
ACCATCCGCTCGTTAAGTAACCTGACTGAGATCCATGATCAGATCAGTGGCATGGCCCGTGTCCCTACA
GTCCCCAGCACAATTCTACCGCCCTACTACTGCCAGTGGTGGCTCTATGCTGCAACAGCCATGGATTT
CCCAGGGCGAGATCCAGCCATTTACCGAAGTCTGGGCACCTTGCCTCCTCTCGAACTGCACAGTACAAC
TCCAAATGGCTCAATGAACCAAACCTTTGTGTCTTCTACGACATCGGAAATTTCACTACTTCTTCTTCC
GAGAAAACGCCGTGGAACATGACTGTGGGAAGACGGTGTCTCCAGGGCTGCCCGGGTCTGTAAAAATGA
CATTGGAGGGCGATTTCTTCTGGAGGACACCTGGACTACCTTCATGAAGGCTCGCCTCAACTGCTCCCGG
CCTGGTGAAGTGCCCTTCTACTACAATGAGCTGCAGGGTACTTTCTTCTGCCGGAGCTGGATCTGATCT
ATGGTATCTTACCACCAATGTAACAGCATCGCTGCCTCTGCTGTCTGTCTTCAACCTGAGCGCCAT
CTCACAGGCCCTCAATGGACCCTTCAAGTACCAAGAAAACCTCTCGCTCAGCCTGGCTGCCTATCCCAAC
CCCAACCCCAATTTTCAGTGGCCACCATGGACCAGGGCCTGTACGTAACCTGACGGAAGAAAACCTAC
AGGATGCTCAGAAGTTCATTCTGATGCATGAAGTGGTGCAGCCAGTACCACAGTGCCTCTTTCATGGA
GGACAACAGCCGCTTCTCCCACTTAGCTGTTGATGTTGTGCAAGGCAGGGAGACTCTGGTCCACATCATT
TATCTGGCCACAGATTATGGCACCATAAGAAAGTACGAGCTCCCTGAGTCAGAGCTCAGGCAGCTGTT
TGCTGGAAGAGATTGAGCTTTTCCAGAGAGGAGGAGTGAAGCCATCAGGAGCCTGCAGATCCTCCACAG
CCAGAGTGTCTATTTGTGGGACTACAGGAGCATGTGGCCAAGATCCCCCTGAAGAGGTGCCACTTCCAT
CAAACACGCAGTGCCTGCATTGGCGCTCAGGACCCTTACTGTGGCTGGGATGCGGTGATGAAGAAATGCA
CCAGCCTGGAGGAGTCTGAGCATGACCCAGTGGGATCAGAGCATCCCCACCTGTCCGACCAGAAATCT
CACTGTAGATGGGAGCTTTGGCCATGGTCACCGTGGACACCCTGTACACACACTGATGGCATCTGGCT
GGTGT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1696_e06.zip

Restriction Sites: SgfI-MluI

ACCN: BC065137

Insert Size: 1689 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: [BC065137](#), [AAH65137](#)

RefSeq Size: 4259 bp

RefSeq ORF: 1688 bp

Locus ID: 20356

Cytogenetics: 15 13.02 cM