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Product datasheet for MC223507

Sema5b (NM_013661) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema5b (NM_013661) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sema5b
Synonyms:	AI893641; mKIAA1445; Semag; SemG
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223507 representing NM_013661 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTAGTCCCAGGACCCCTGGCTCTCTCGCTGTTGCTGTCCAGCCTCACCCTGCTGGTGTCCCACCTCT CCAGCTCCCAGGACATTGCCAGTGAGTCCAGCAGTGAGCAACAGATGTGCACGCGGAGGGAGCACCCCAT CGTGGCCTTTGAAGATCTGAAGCCGTGGGTCTTTAACTTCACCTACCCTGGAGTCCGGGATTTCTCCCAG CTTGCTCTTGATCCCTCGAGGAATCAGCTCATCGTGGGAGCCAGGAACTACCTCTTCAGACTCAGCCTCG CCAATGTCTCCCTCCTTCAGGCTACAGAGTGGGCCTCCAGTGAGGACACGCGCCGCTCCTGCCAGAGCAA AGGGAAAACGGAGGAGGAGTGTCAGAACTATGTACGAGTCCTGATTGTTTCCGGCCGGAAGGTGTTCATG TGCGGTACCAATGCCTTTTCCCCAGTGTGCTCCAGCAGACAGGTAGGGAACCTCAGCCGGACTATTGAGA AGATCAACGGTGTGGCCCGGTGCCCCTATGACCCACGCCACAACTCTACAGCCGTCATCTCCTCTCAGGG GGAGCTCTATGCAGCCACAGTCATTGACTTCTCCGGTCGGGACCCAGCCATCTACCGCAGCCTGGGCAGT GGGCCACCGCTTCGCACTGCCCAGTATAACTCCAAATGGCTCAATGAGCCAAATTTTGTGGCAGCCTTTG ACATCGGGCTGTTTGCGTATTTCTTCCTTCGGGAGAATGCCGTGGAGCATGATTGTGGGCGCACTGTGTA CTCTCGGGTGGCCCGGGTGTGCAAGAATGATGTAGGTGGCCGTTTCCTGCTGGAGGACACGTGGACCACA TTCATGAAGGCCCGGCTCAACTGCTCCCGCCCGGGAGAGGTCCCCTTCTACTATAATGAGCTGCAGAGTG CCTTCCATCTGCCCGAGCAGGACCTCATCTATGGCGTCTTCACCACTAACGTAAACAGCATTGCGGCTTC TGCTGTCTGCGCCTTCAACCTCAGTGCCATCTCCAAGGCTTTCAATGGCCCATTTCGTTACCAGGAAAAC CCCAGGGCTGCCTGGCTCCCAATCGCCAATCCCATCCCCAATTTCCAGTGTGGCACTCTGCCGGAGACTG GCCCCAACGAGAACCTCACGGAGCGCAGCCTGCAGGACGCACAGCGGCTCTTCCTGATGAGCGAAGCTGT GCAGCCAGTGACACCAGAGCCCTGTGTCACCCAGGACAGCGTCCGCTTCTCACATCTCGTGGTAGACCTT GTGCAAGCTAAGGACACGCTCTATCACGTACTCTACATAGGCACGGAGTCGGGTACCATCCTGAAAGCGC TGTCCACGGCCAGCCGCAGCCTCCGTGGCTGCTACCTGGAGGAGCTACATGTGCTGCCTCCTGGGCGCCT TGAACCTCTGCGGAGCCTGCGCATCCTGCACAGCGCGCGTGCGCTCTTCGTGGGATTGAGCGACAGGGTG CTGCGGGTCCCACTGGAGAGGTGTTCGGCCTATCATAGCCAGGGGGCATGCCTGGGAGCACGGGACCCAT

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ACTGCGGCTGGGATGGGAAGCGGCAACTTTGCAGCACGCTTGAAGACAGTTCCAACATGAGCCTGTGGAT
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GATGACAGAGCCAACTTCTACCCACTGCAGCAGACCAATGTGTATACAACCACGTACTACCCCAGCCCAC
TGAACAAGCCCAGCTTCCGGCCTGAGGCCTCACCTGGACAGCGCTGTTTCCCCAACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013661

Insert Size: 3282 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_013661.2, NP_038689.2

RefSeq Size:	4556 bp
RefSeq ORF:	3282 bp
Locus ID:	20357
UniProt ID:	Q60519
Cytogenetics:	16 B3
Gene Summary:	May act as positive axonal guidance cues.[UniProtKB/Swiss-Prot Function]