

## Product datasheet for **MC202805**

### Sema6d (NM\_199238) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sema6d (NM\_199238) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sema6d  
**Synonyms:** 1110067B02Rik; AA409156; D330011G23; mKIAA1479  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC060680 sequence for NM\_199238  
 GCAGCCAGAGGCGTCTTGTAGCCTGGAGCAGAGGCAGGCAAAACCGAGCCCAACAACCAGGTAGCTAAGTG  
 GGACTTCTGAGGAGGGGAGCTCAGATTTCTTCTTGCCAACCATGGGGTTCCTTCTGCTTTGGTTCTGC  
 GTGCTGTTCCCTTCTGGTCTCCAGGTTACGGGCGGTCAGCTTCCCAGAAGACGATGAGCCCTCAACACGG  
 TTGACTATCACTATTCAAGGCAATATCCGGTTTTAGAGGACGCCCTTCAGGCAACGAATCGCAGCACAG  
 GCTGGACTTTCAGCTGATGTTGAAAATTCGAGACACACTTTATATTGCTGGCAGGGATCAAGTCTATACA  
 GTGAACTTAAATGAAATCCCCAAACAGAGGTGATACCAAGCAAGAAGCTGACGTGGAGGTCCAGACAGC  
 AGGATCGAGAAAATTGTGCTATGAAAGGCAAGCATAAAGATGAATGCCACAACCTCATCAAAGTCTTTGT  
 CCCAAGAAATGATGAGATGGTTTTGTCTGTGGTACCAATGCTTCAACCCGATGTGCAGATACTATAGG  
 TTGAGAACGTTAGAGTATGATGGGAAGAAATAGTGGCCTGGCAGCATGCCGTTTGTATGCCCGACAAA  
 CCAATGTGCGCCTCTTGTGCTGATGGAAAATCTATTCTGCCACAGTGGCTGATTTCTGGCCAGTGTATGC  
 TGTCAATTTACAGAAGCATGGGAGATGGATCTGCCCTTCGCACAATAAAATACGATTTCAAGTGGATCAAA  
 GAACCACACTTCCCTTCATGCCATAGAATATGAAAATATGCTATTTCTTCTTCAGAGAAATCGCCGTGG  
 AACATAATAACTTAGGCAAGGCTGTGTATTCCCGCTGGCTCGCATTTGTAACGACATGGGTGGCTC  
 ACAGCGGGTCTGGAGAAACACTGGACTTCCCTTCTTAAGGCTCGGCTGAACTGCTCCGTTCTGGAGAT  
 TCCTTTTCTACTTCGACGTCCTGCAGTCTATAACAGACATAATCCAAATCAATGGCATCCCCACTGTGG  
 TTGGGGTCTTACCACACAGCTCAACAGCATTCTGGTTCTGCAGTCTGTGCCTTAGCATGGACGACAT  
 TGAGAAAGTGTTCAAAGGGCGGTTCAAAGAGCAGAAAACCCAGACTCTGTTTGGACAGCAGTTCGCGAA  
 GACAAAAGTACAAAACCAAGGCTGGCTGTTGTGCCAAACCGGCTCGCAGAAGCTTACAAGACCTCCA  
 TCGACTTTCAGATGACACCCTGGCTTTCATCAAGTCCCACCCGCTGATGGACTCTGCCGTCACCCCAT  
 TGCCGATGAGCCCTGGTTCACAAAGACAGGGTACAGGTACAGTTGACAGCCATCGAAGTGGACCGTTCA  
 GCAGGGCCATACAAAATACACAGTCTCTTTGTTGGCTCTGAAGCTGGCGTGGTACTTAAAGTTTTGG  
 CAAAGACCAGTCTTTCTCTGTAATGACAGTGTATTACTCGAAGAGATTGAAGCTTATAACCCAGCCAA  
 GTGCAGCGCCGAGAGTGAGGAGGACAGAAAGTGGTCTCATTACAGCTGGACAAGGATCACCATGCTTTA  
 TACGTGGCCTTCTAGCTGCGTGGTCCGCATCCCCCTCAGCCGCTGTGAGCGCTACGGATCGTGTAAAA  
 AGTCTTGCAATGCATCACGTGACCCGACTGTGGTTGGTTAAGCCAGGGAGTTTGTGAGAGAGTGACCC  
 AGGGATGCTCCCTGGAGGATATGAGCAGGACACGGAGTACGGCAACACAGCCACCTAGGGGACTGCCAC



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ACTTTAACGTGTATAGATATCTTGTAACCTTGATTGTGGATGTGTAATAATATGTACTTTGGGTTTT  
AACACCGCATGTAAGTCAAAATAAAATATCCAAGTCATTAATAAAAAAAAAAAAAAAAAAAAAA

<b>Restriction Sites:</b>	Ascl-NotI
<b>ACCN:</b>	NM_199238
<b>Insert Size:</b>	2997 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">BC060680</a></u> , <u><a href="#">AAH60680</a></u>
<b>RefSeq Size:</b>	5596 bp
<b>RefSeq ORF:</b>	2997 bp
<b>Locus ID:</b>	214968
<b>UniProt ID:</b>	<u><a href="#">Q76KF0</a></u>
<b>Cytogenetics:</b>	2 F1
<b>Gene Summary:</b>	<p>Shows growth cone collapsing activity on dorsal root ganglion (DRG) neurons in vitro. May be a stop signal for the DRG neurons in their target areas, and possibly also for other neurons. May also be involved in the maintenance and remodeling of neuronal connections (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (Sema6D-2) that is shorter than isoform Sema6D-1. Both variants 2 and 3 encode isoform Sema6D-2.</p>