

Product datasheet for **SC337367**

Semaphorin 3B (SEMA3B) (NM_001290060) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Semaphorin 3B (SEMA3B) (NM_001290060) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMA3B
Synonyms:	LUCA-1; SemA; SEMA5; SEMAA; semaV
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001290060, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCCGGGCGGGGCTGCCGCCGTGATCCCGGGCTGGCCCTGCTCTGGGCAGTGGGGCTGGGGAGTG
CCGCCCCAGCCCCACGCCTTCGGCTCTCCTTCCAAGAGCTCCAGGCCTGGCATGGTCTCCAGACTTT
CAGCCTGGAGCGAACCTGCTGCTACCAGGCCTTGGTGGATGAGGAGCGTGGACGCCTGTTTGGGT
GCCGAGAACCATGTGGCCTCCCTCAACCTGGACAACATCAGCAAGCGGGCCAAGAAGCTGGCCTGGCCGG
CCCCTGTGGAATGGCGAGAGGAGTGCAACTGGGCAGGGAAGGACATTGGTACTGAGTGCATGAACCTCGT
GAAGTTGCTGCATGCCTACAACCGCACCCATTTGCTGGCCTGTGGCACGGGAGCCTTCCACCCAACCTGT
GCCTTTGTGGAAGTGGGCCACCGGGCAGAGGAGCCGCTCCTCCGGCTGGACCCAGGAAGGATAGAGGATG
GCAAGGGGAAGAGTCCTTATGACCCAGGCATCGGGCTGCCTCCGTGCTGGTGGGGGAGGAGCTATACTC
AGGGGTGGCAGCAGACCTCATGGGACGAGACTTTACCATCTTTCGAGCCTAGGGCAACGCTCAAGTCTC
CGAACAGAGCCACAGACTCCCCTGGCTCAATGAGCCAAAGTTTGTCAAGGTATTTTGGATCCCGGAGA
GCGAGAACCAGACGACGACAAAATCTACTTCTTTCTTTCGTGAGACGGCGGTAGAGGCGGGCCGGCACT
GGGACGCCTGTCCGTGTCCCGCTTGGCCAGATCTGCCGGAACGACGTGGGCGGGCAGCGCAGCCTGGTC
AACAAAGTGGACGACGTTCTGAAGGCGCGGCTGGTGTGCTCGGTGCCCGCGCTCGAGGGCGACACCCACT
TCGATCAGCTCCAGGATGTGTTTCTGTTGCTCCTCGCGGGACCACCGACCCCGCTGCTCTATGCCGTCTT
CTCCACGTCCAGCAGCATCTTCCAGGGCTGCGGTGTGCGTGTACAGCATGAACGACGTGCGCCGGGCC
TTCTTGGGACCCTTTGCACACAAGGAGGGGGCCATGCACCAGTGGGTGTCATACCAGGGTGCAGTCCCCT
ACCCGCGGCCAGGCATGTGCCCCAGCAAGACCTTTGGCACCTTCAGTTCACCAAGGACTTCCCAGACGA
TGTATCCAGTTTGGCGGAACCACCCCTCATGTACAACCTGTCTGCCACTGGGGGGCGCCCTCTT
TTCTACAAGTTGGAGCCAATTACACCTTCACTCAAATTCGCCGGACCGGGTTGCAGCCGCTGACGGAC
ACTATGACGTCTCTTCAATTGGCACAGAGCTTGGCACGGTGTGAAGGTGATCTCGGTCCCCAAGGGCAG
TAGGCCAGCGCAGAGGGGCTGCTCCTGGAGGAGCTGCACGTGTTTGGAGACTCGGCCGCTGTACCCAGC
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CGGGGTGCGGTGCACGCGCTTCCAGCCAGTGCCAAGAGGCGGTTCCGGCGGCAAGACGTAAGGAATGGC
GACCCAGCAGTGTGCTCCGGAGACTCGTCTCGTCCCGCGTGTGGAACACAAGGTGTTCCGGCTGG
AGGGCAGCAGCGCTTTCTGGAGTGTGAGCCCCGCTCGTGCAGGCGCGGTGGAGTGGACTTCCAGCG
CGCAGGGGTGACAGCCACACCCAGGTGCTGGCAGAGGAGCGCACCGAGCGCACC GCCCGGGGACTACTG
CTGCGCAGGCTGCGGCGCGGGACTCGGGCGTGTACTTGTGCGCGCGCTCGAGCAGGGCTTACGCAAC
CGCTGCGTGCCTGTGCTGCACGTGTTGAGTGTACGCAGGCCGAACGACTGGCGCGGGCCGAGGAGGC
TGCGCCCGCCGCGCCGCGGGCCCAAACCTCTGGTACCGGACTTTCTGCAGCTGGTGGAGCCGGGCGGA
GGTGGCAGCGCAACTCCCTGCGCATGTGCCGCCGACGCTGCGCTGCAGTCACTGCCCTGGAGTTCG
GGAGAAAGGGCCGTAACCGGAGGACCCACGCCCTGAGCTCGCGCTGAGCGGGGGCCGCGCAGCGCAAC
GCACTGGTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001290060

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:	<ol style="list-style-type: none">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:	<u>NM_001290060.1</u> , <u>NP_001276989.1</u>
RefSeq Size:	2981 bp
RefSeq ORF:	2250 bp
Locus ID:	7869
UniProt ID:	<u>Q13214</u>
Cytogenetics:	3p21.31
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>The protein encoded by this gene belongs to the class-3 semaphorin/collapsin family, whose members function in growth cone guidance during neuronal development. This family member inhibits axonal extension and has been shown to act as a tumor suppressor by inducing apoptosis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Both variants 1 and 3 encode isoform 1.</p>