

Product datasheet for **RN217649**

Robo2 (NM_032106) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Robo2 (NM_032106) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Robo2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217649 representing NM_032106 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGACTCCTCTGATGTTACTACTATTGCTCTTTGGATTTCTCCGCATTCGGACTGACGGATNTCGTC
TTCGTCAAGAAGACTTTCCCCCAAGATNGTAGAACACCTTCTGAAGTCATCGTCTCCAAGGAAAACC
CAACACTCCGAAGTGAAGCAAAGGGCCGCCATTCCAACAATTGGAAGGTACAAAGGATGGTTAA
CCGGGTTGGGACAAGACCAAGGATGATTCCAAGGTCACACAAGGATGCCTTCTGCCACGGGATCCTTAT
TCTTTTGGCAATTGTTACGGACGCAGAAGTAAACCAGATGAAGGAACCTACGTTTGTGTTGCAAGGAA
CTATCTTGGTGAAGCAGTGAGTCGCAATGCATCTCTGGAAGTAGCATTATTGCGAGATGACTTCCGGCAA
AACCCACAGATGTGGTAGTCGCAGCAGGAGAGCCTGCAATCTTGGAGTCCAGCCACCACGGGGACACC
CAGAACCAACCTACTGAAAAAGGACAAAGTCCGAATTGATGAGAAGGAAGAGAGAATAAGTATCCG
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CGCCACGGGGACCTCACCATCAACAATTCAGCGTTCAGATGCGGGTTACTACATCTGCCAGGCCCT
AACTGTGGCAGGAAGCATTGCTAGCTAAAGCACAGCTGGAAGTTACTGACGTTTGGACAGATAGACCTCCA
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GAACAGTGCACCCTATCTGGCAGACAGGTACCCTGGCGTTCTTCCAGCAAGCGCATATACATTGAG



GCTTTCAGCCAATCGGTGAGCAACAGCTGGCAGACAGTGGCAAACCATGTTAAGACGACTCTCTATACAG
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 TCCAAGCCCCATGTGGATCCTGTACGCACACAAGATATCAGTCCCCCAGCACAAGGCGTGGACCACAGA
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 GTTTGCCAGTCAACAACAGCAATAGTGGCCCAATGAAATCGGAAATTTGGGCGTGGAGATGTGCTGCC
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 TCCTGCATTCACACAGCATCCATGAACTGGCGGTTGATCTTCTGATCCACAGTGGAAAAGCTCAGTTCA
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 GCACCACAGCTCTACAACAGCTCAGAAAGGAGTGGCAGTCTCTCAGGTGGGAAAGGTGGAAAAGAA
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 ACAACCCCGAGTCCACCATTAGGTTACGCGTCCGGAGCCTTGATTTCTGACTTGAGACAGATGTTCCA
 GATGAGGATGCTGATGATGAAGAGGAACATTAGAAATCCCAGGCCCTCAGAGCACTAGACCAGACTC
 CTGGTTCCAGTATGGACAATCTAGACAGCTCTGTAAACAGGAAAAGCCTTTACTTCTCTCAAAGGCGAGC
 GCCCACCAGCCATTTCTACAGACAGTAAACACAGTGTGCCAGAATCAAAGCCAGAGGCCTCGGCC
 ACCAAAAACAAGGGAGGGCGGATGGACCCACAGCCAGTGTACCTCATCGGAGGGAAGGGATGCCAG
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 CTCTGGTAACGTGGAAAGCTCAACAGAGAGGAAAGGAAGCTCTCTAGAGAGACAACAAGCAGCCAACCTA
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 GGATAAAGCTCTACAGAGCGCCAAGAAGAAACACGGAAAGCCCAACAACAGGGGTTGGATCAGAGGA
 GTCCCTGGTGGCCTACAGCAAGCCAGCTTCCCATCTCCAGGGGGCACAGCTCATCCGGAACAGCCTCC
 TCTAAAGGGTCCACTGGTCTCGGAAGGCTGAGATTCTGAGGGGAGCCACCAGCGGAATGCCAATGACC
 TTCTCGACATTGGATATGTGGGCTCAAATAGTCAAGGGCAGTTTACAGGTGAATTG**AG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_032106
Insert Size: 4539 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_032106.2</u> , <u>NP_115289.1</u>
RefSeq Size:	8977 bp
RefSeq ORF:	4539 bp
Locus ID:	84409
Cytogenetics:	11p11
Gene Summary:	repulsive axon guidance receptor for the slit protein ligands; plays a role in axon guidance and repulsion [RGD, Feb 2006]