

Product datasheet for **RN206325**

Robo4 (NM_181375) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Robo4 (NM_181375) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Robo4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206325 representing NM_181375
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGACAAGGAGAGAGCTGAGAGCAGCCGTTGACTCTGGAGGAATGGGCCTCCTGGGGACTAAGTGTC
 CTCTGCCTCTACTGCTTCTTTTCATCATGGGAGGCAAGGCTCTGGATTCTCCACCCAGATCCTAGTTCA
 TCCCCAGGACCAGCTACTTCAGGGCTCCGGGCCGCAAGATGAGTTGCAGAGCATCGGGCCAACCACTT
 CCCACTATCCGCTGGCTGCTGAATGGGCAGCCCTCAGCATGGCGACCCAGACCTACATTACCTCCAAT
 CAGATGGGACCCTCCTGTACATCGGCCCTACCCATGGACGGCCGAAGACGACCAGAACATTCTCTC
 AGCAATCTGGGTGTCTACACATGTGAGGCCAGCAACGGCTGGGCACAGCAGTGAAGCCGGGTGCTAGG
 CTGTCTGTGGCTGCTCCAGGAGGACTCCGGATCCAACCTCGGGACACAGTGGCCGTGGTGGGCGAGA
 GCTTGGTTCTCGAGTGTGGTCTCCCTGGGGCTACCCAAAGCCTTCAGTCTCCTGGTGGAAAGATGGGAA
 ACCCTGGTCTCCAGCCAGGGAAGCGCACAGTGTCTGGGGATTCTCTGATGGTGGCAAGAGCAGAGAAG
 AATGACACGGGGACCTATATGTGTATGGCCACCAACAATGCCGGACAACGGGAGAGTCCGGCAGCCAGGG
 TGTCTATCCAGGAGTCAACGGACCACAAGGAGCATCTAGAGCTTCTGGCTGTTTCAATTCAGCTGGAAAA
 TGTGACCTGTGAACCCAGAACCTGTAAAAGGCCCAAGCCTGGGCCAGCTGTGTGGCTCAGCTGGAAAG
 GTGAGCGGCCCTGCTGCACCTGCCAGTCATACACAGCCCTGTTAGGGCGCAGAGGGACCCAGGGACC
 AGGGATCTCCATGGACAGAGGTGCTGCTGGATGGCTTGTGAATGCAAAGCTTGGGGTCTCCGCTGGGG
 CCAAGACTACGAATCAAAGTGAGACCGTCTCCGGCCGGGCTCGAGGCCCTGATAGCAATGTGTGCTC
 CTGAGGCTGCCTGAACAGGTGCCAGTGCACCCACTCAAGAAGTGACCCTAAGACCTGGCAACGGTAGTG
 TCTTTGTGAGTTGGGCCACCTCCTGCTGAAAACCATAAACGGTTTCATCCGTGGCTACCAAGTCTGGAG
 CCTGGGCAATGCCTCATTGCTGCTGCCAAGTGGACCGTGTGGGTGAACAGACACAGTGGAGATTGCC
 GCACGAATGCCAGGCTCCTATTGTGTGAGGTGGCTGCAGTCACTGGTGTGGGGCTGGAGAGCCAGTA
 TCCCTGTCTGCCTCCTTTTAGAGCAGGCCATGGAGCAATCAGCACGAGACCCAGTAAACATGTTTCCTG
 GACCTGGAACAGCTGAGGGCCACCTTGAACGACCCAGAAAGTCAATGCCAGTGGTGGCTCCTGCTCTGG
 TTGCTGCTCCTAGGCATTGCTGTGTATCTACAGGCGACGAAAGCTGGGGTGCACCTGGGCCAGGTC
 TCTACAGATACACCAGTGAAGTGCATTTTAAAACACAGGATGGACCACAGTCACTCCCATGGCTGGC
 AGACACCTGGCGCTCCACCTCTGGCTCTAGAGATCTGAGCAGCAGCAGCAGCCTCAGTAGTCGACTAGGA
 GTGGACCTCGGGACCCACTGGACGGCAGGCGTTCCTTGATCTCCTGGGACCCCGGAGCCCGGTGAC
 CCCTGTTCCAGACACTAGCACGTTTTACGGCTCCCTCATTGCAGAGCAGACTTCCAGCCCTCCAGTCCG
 GCCAAGCCCGCAGACGCCAGCTGTAGGCGCTTCCACCCAAGCTGACCGGAACCTCCAGCCCTGGGCT
 AGCTCAGATAGTCTCTGCAGCCGAGGGGACTCTGTTCCCCACGCATGTCTCTGGCCCTGCAGAGGCTT
 GGAAGGCCAAAAAGAAGCAGGAAGTGCACCAAGCTAACAGCTCCCGCTGCTCCAGGGTAGCCACCCAT
 GGAAATCTGGGCTGGGAGTTGGGAAGCAGAGCCTCCAAGAACCTTTCTCAAAGCCCGGGCCAAACACT
 TGTTCCACAGAGAAGCTCCCGGAGCAGTGGTAGCCTGGCGTGCCTGGGACCACAACCTCACCCGAAC
 CCAGTGAAGTGCAGCTCGTCCACTCCCTCCGACACCCCTTTCTCTTGTGGAGCCCGCAGTCAATGATCC
 GCAGAGCCAGTGTGGAGAAGCTCCAAGCTCCCTCCTGACCCACTGCCAGCAGCCCTCTCTCCGTC
 CTTCAACTCTCCAGGCCCTCCAGCCCGAGGCCCTTTCTCTCTGTTCCTAGCCAGGATCCAGCAACC
 TGTCAGCTCCTCACTGTATCCTTAGAGGAGGAGGATCAGGACAGTGTACTCACCCCTGAGGAGGTAGC
 CCTGTGTCTGGAGCTCAGTGTGGGAGGAGACACCCACGAACAGTGTATCTCCTATGCCAAGAGCTCCT
 TCACCCCGCAGCAACCTATGGCTATATCAGCATACCAACCTCCTCAGGACTGGCAGACATGGGAGAGCTG
 GTGGGGCGTGGGGTCTGAGGTCGGGAACCTACTGTGCCACCTCGGCTCTGCCACACCTACACCCAG
 CGAGGGCTCCCTGGCAATGGTTGGGGCTCAGCTTCAAGGACAATGTCCCAGCGCCAGGGCCAGCCTG
 GTTAGCTCTTCTGATGGCTCCTTCTTGTGACGCTCACTTTGCTCGTCCCTGGCAGTGGCTGTGGACA
 GCTTCGGTTTCAGTCTGGAGCCAGGGAAGCTGACTGTGTCTTACTGGTATGTGGGCTCGCCCGCTCC
 CTTAGAATGGACATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_181375
Insert Size:	2886 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:	<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_181375.1</u> , <u>NP_852040.1</u>
RefSeq Size:	2886 bp
RefSeq ORF:	2886 bp
Locus ID:	300518
UniProt ID:	<u>Q80W87</u>
Cytogenetics:	8q21
Gene Summary:	Receptor for Slit proteins, at least for SLIT2, and seems to be involved in angiogenesis and vascular patterning. May mediate the inhibition of primary endothelial cell migration by Slit proteins (By similarity).[UniProtKB/Swiss-Prot Function]