

Product datasheet for MC223211

Robo4 (NM_028783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Robo4 (NM_028783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Robo4
Synonyms:	1200012D01Rik; AI593217
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223211 representing NM_028783 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACAAGGAGAGGAGCCGAGAGCAGCCATGGGCTCTGGAGGAACGGGCTCCTGGGACGGAGTGGC
CTCTGCCTCTGCTGCTGCTTTTCATCATGGGAGGTGAGGCTCTGGATTCTCCACCCAGATCCTAGTTCA
CCCCAGGACCAGCTACTTCAGGGCTCTGGCCAGCCAAGATGAGGTGCAGATCATCCGGCAACCACT
CCCCTATCCGCTGGCTGCTGAATGGGAGCCCTCAGCATGGCCACCCAGACCTACATTACCTTTTGC
CGGATGGGACCCCTCTGTACATCGGCCCTCTGTCCAGGGACGGCCACAAGATGACCAGAACATCCTCTC
AGCAATCCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTGGGCACAGCAGTGAAGCCGGGTGCTAGG
CTGTCTGTGGCTGTCTCCAGGAGGACTCCAGATCCAACCTCGGGACACAGTGGCCGTGGTGGGAGAGA
GCTTGGTCTTGAGTGTGGTCTCCCTGGGGCTACCCAAAACCTCGGTCTCATGGTGGAAAGACGGGAA
ACCCCTGGTCTCCAGCCAGGGAGGCGCACAGTATCTGGGGATTCCCTGATGGTGTCAAGAGCAGAGAAG
AATGACTCGGGGACCTATATGTGTATGGCCACCAACAATGCTGGGCAACGGGAGAGCCGAGCAGCCAGGG
TGTCTATCCAGGAATCCAGGACCACAAGGAACATCTAGAGCTTCTGGCTGTTCCGATTCAGCTGGAAAA
TGTGACCTGCTAAACCCGAACCTGTAAAAGTCCCAAGCCTGGGCCATCCGTGTGGCTCAGCTGGAAG
GTGAGCGGCCCTGCTGCACCTGCTGAGTCATACACAGCTCTGTTCAAGACTCAGAGTCCCCAGGGACC
AAGGATCTCCATGGACAGAGGTGCTGCTGCGTGGCTTGCAGAGTGCAAAGCTTGGGGTCTCCACTGGGG
CCAAGACTATGAATCAAGTGAGACCGTCTCCGGCCGGGCTCGAGGCCCTGACAGCAATGTGTTGCTC
CTGAGGCTGCCTGAACAGGTGCCAGTGGCCACCTCAAGGAGTGACCTTAAGATCTGGCAACGGTAGTG
TCTTTGTGAGTTGGGCTCCACCCTGCTGAAAGCCATAATGGTGTATCCGTGGTTACCAGGTCTGGAG
CCTGGGCAATGCCTCATTGCCTGCTGCCAACTGGACCGTAGTGGGTGAACAGACCCAGCTGGAGATCGCC
ACAGACTGCCAGGCTCCTATTGTGTGCAAGTGGCTGCAGTCACTGGAGTGGTGTGGAGAACTCAGTA
CCCCTGTCTGCCTCTTTAGAGCAGGCCATGGAGCAATCAGCACGAGACCCAGGAAACATGTTCCCTG
GACCCTGGAACAGCTGAGGGCCACCTTGAGACGACCAGAAGTCAATGCCAGTAGTGTCTACTCTGG



[View online >](#)

```

TTGCTGCTACTAGGCATTACTGTGTGTATCTACAGACGACGCAAAGCTGGGGTGCACCTGGGCCAGGTC
TGTACAGATACACCAGCGAGGACGCCATTCTAAAAACAGGATGGACCACAGTGAAGTCCCATGGCTGGC
AGACACCTGGCGTTCCACCTCTGGCTCTCGAGACCTGAGCAGCAGCAGCAGCCTTAGTAGTCGGGTGGGA
TTGGACCTCGGGACCCACTAGAGGGCAGGCGCTCCTTGATCTCCTGGGACCCCTCGGAGCCCCGGTGTAC
CCCTGCTTCCAGACACGAGCAGCTTTTACGGCTCCCTCATTGCAGAGCAGCCTCCAGCCCTCCAGTCCG
GCCAAGCCCCAAGACACCAGCTAGGCGCTTTCCATCCAAGTTGGCTGGAACCTCCAGCCCTGGGCT
AGCTCAGATAGTCTCTGCAGCCGAGGGGACTGTGTTCCACGCATGTCTCTGACCCCTACAGAGGCTT
GGAAGGCCAAAAAGAAGCAGGAATTGCACCAAGCTAACAGTCCCACTGCTCCGGGGCAGCCACCCCAT
GGAAATCTGGGCCTGGGAGTTGGGAAGCAGAGCCTCCAAGAACCTTTCTCAAAGCCAGGAGAAGCGCCC
CGAGCCGTGGTATCCTGGCGTGTGGGACCACAACCTCACCGCAACTCCAGTGAGCTGGCATCTCGTC
CACTCCCTCCAACACCCCTTTCTCTTCTGGAGCTTCCAGTATGACCCACAGAGCCAGTGTGTGGAGAA
GCTCCAAGCTCCCTCTGACCCACTGCCAGCAGCCCTCTCTCGTCTCAACTTCCAGACCTTCC
AGCCCCAGGCCCTTTCTCTCTCTGCTAGCCATCTCCAGCAACCTGTCCAGCTCCTCGTGTCTAT
CCTTAGAGGAGGAGGAGGATCAGGACAGCGTGTCAACCCGAGGAGGTAGCCCTGTGTCTGGAGCTCAG
TGATGGGAGGAGACACCACGAACAGTGTATCTCCTATGCCAAGAGCTCCTTCCCGCCAAACAACCTAT
GGCTATATCAGCATACCAACCTGCTCAGGACTGGCAGACATGGGAGAGCTGGCGGGGGCTGGGGTCTG
AGGTTGGGAACCTACTGTATCCACCTCGGCCCTGCCCCACCCCTACACCCAGCGAGGGCTCCCTGGCCAA
TGGTTGGGGCTCAGCTTCTGAGGACAATGTCCCCAGCGCCAGGGCCAGCCTGGTTAGCTCTTCTGATGGC
TCCTTCTCGTGATACTCACTTGTCTGCTGCCCTGGCAGTGGCTGTGGATAGCTTTGGCCTCAGTCTGG
ATCCCAGGGAAGCTGACTGTGTCTTCACTGATGCCTCATCACCTCCCTCCCTCGGGGTGATCTCTCCCT
GACCCGAAGCTTCTCTGCCTTGTGGAGTGGAGGCCAGACTGGTTGGAAGATGCTGAGATCAGCCAC
ACCCAGAGGCTGGGGAGGGGGCTGCCTCCCTGGCTCCTGATTCTAGGGCCTCTTCCAGCGAAGTTGGC
TAACTGGTGCTGTGCCAAGGCTGGTATTCTCTCTGA

```

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1660_e03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_028783

Insert Size: 3048 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_028783.2](#), [NP_083059.2](#)

RefSeq Size: 3689 bp

RefSeq ORF: 3048 bp

Locus ID: 74144

UniProt ID: [Q8C310](#)

Cytogenetics: 9 A4

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.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.