

Product datasheet for **MG211107**

Robo4 (BC071193) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Robo4 (BC071193) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Robo4
Synonyms:	1200012D01Rik; AI593217
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG211107 representing BC071193
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCTGGAGAACGGCCCTCTGGGACGGAGTGGCCTCTGCCTCTGCTGCTCTTTTCATCATGG
 TCCTCCAGGAGGACTTCCAGATCCAACCTCGGGACACAGTGGCCGTGGTGGGAGAGAGCTTGGTTCTTGA
 GTGTGGTCTCCCTGGGGCTACCCAAAACCTCGGTCTCATGGTGGAAAGACGGGAAACCCCTGGTCCTC
 CAGCCAGGAGGCGCACAGTATCTGGGATTCCCTGATGGTGTCAAGAGCAGAGAAGAATGACTCGGGGA
 CCTATATGTGTATGGCCACCAACATGTGGGCAACGGGAGAGCCGAGCAGCCAGGGTGTCTATCCAGGA
 ATCCCAGGACCACAAGGAACATCTAGAGCTTCTGGCTGTTGCGATTGAGCTGGAAATGTGACCCTGCTA
 AACCCCGAACCTGTAAGAGTCCAAGCCTGGGCCATCCGTGTGGCTCAGCTGGAAGGTGAGCGGCCCTG
 CTGCACCTGCTGAGTCATACACAGCTCTGTTGAGACTCAGAGGTCAGGACCCAGGACCAAGGATCTCCATG
 GACAGAGGTGCTGCTGCGTGGCTGTCAGAGTCAAAGCTTGGGGTCTCCACTGGGGCCAAGACTATGAA
 TTCAAAGTGAGACCGTCTCCGGCCGGGCTCGAGGCCCTGACAGCAATGTGTTGCTCCTGAGGCTGCCTG
 AACAGGTGCCAGTGCCCACTCAAGGAGTGACCTTAAGATCTGGCAACGGTAGTGTCTTTGTGAGTTG
 GGCTCCACCACCTGCTGAAAGCCATAATGGTGTATCCGTGGTACCAGGTCTGGAGCCTGGGCAATGCC
 TCATTGCTGCTGCCAAGTGGACCGTAGTGGGTGAACAGACCCAGCTGGAGATCGCCACACGACTGCCAG
 GCTCCTATTGTGTGCAAGTGGCTGCAGTCACTGGAGCTGGTGTGGGAACTCAGTACCCCTGTCTGCCT
 CCTTTTAGAGCAGGCCATGGAGCAATCAGCAGGAGACCCAGGAAACATGTTCCCTGGACCCTGGAACAG
 CTGAGGGCCACCTTGAGACGACCAAGTCAATGCCAGTAGTGTCTACTCTGGTGTGCTGCTACTAG
 GCATTACTGTGTATCTACAGACGACGCAAGCTGGGGTGCACCTGGGCCAGGCTGTACAGATACAC
 CAGCGAGGACGCCATTCTAAAACACAGGATGGACCACAGTGACTCCCATGGCTGGCAGACACCTGGCGT
 TCCACCTCTGGCTCTCGAGACCTGAGCAGCAGCAGCAGCCTTAGTAGTCGGCTGGGATTGGACCCTCGGG
 ACCCACTAGAGGGCAGGCGCTCCTTGATCTCCTGGGACCCTCGGAGCCCCGGTGTACCCCTGCTTCCAGA
 CACGAGCAGTTTTACGGCTCCCTCATTGCAGAGCAGCCTTCCAGCCCTCCAGTCCGGCCAAGCCCCAAG
 ACACCAGTGTAGGGCTTTCCATCCAAGTTGGCTGGAACCTCCAGCCCTGGGCTAGCTCAGATAGTC
 TCTGCAGCCGAGGGGACTCTGTCCCCACGCATGTCTCTGACCCTACAGAGGCTTGGAAAGCCAAAA
 GAAGCAGGAATTGCACCAAGCTAACAGCTCCCCACTGCTCCGGGGCAGCCACCCATGGAATCTGGGCC
 TGGGAGTTGGGAAGCAGAGCCTCAAGAACCTTTCTCAAAGCCAGGTCCAACTCTGGTCCCCAGGAG
 AAGCGCCCCGAGCCGTGGTATCCTGGCGTGTGTGGGACCACAACCTTACCCGCAACTCCAGTGAGCTGGC
 ATCTCGTCCACTCCCTCCAACACCCCTTCTCTTCTGTTGGAGCTTCCAGTCATGACCCACAGAGCCAGTGT
 GTGGAGAAGTCCAAGCTCCCTCCTCTGACCCACTGCCAGCAGCCCTCTCTCCGTCTCAACTCTTCCA
 GACCTTCCAGCCCCAGGCTCTTCTCTCTCTGCTCCTAGCCATCCTCCAGCAACTGTCCAGCTCCTC
 GCTGTATCCTTAGAGGAGGAGGAGGATCAGGACAGCGTGTCCACCCGAGGAGGTAGCCCTGTGTCTG
 GAGCTCAGTGATGGGGAGGAGACCCACGAACAGTGTATCTCCTATGCCAAGAGCTCTTCCCCGCCAA
 CAACCTATGGCTATATCAGCATAACCACTGCTCAGGACTGGCAGACATGGGAGAGCTGGCGGGGGCGT
 GGGGTCTGAGGTTGGGAACCTACTGTATCCACCTCGGCCCTGCCCCACCCCTACACCCAGCGAGGGCTCC
 CTGGCCAATGGTTGGGGCTCAGCTTCTGAGGACAATGTCCCAGCGCCAGGGCCAGCCTGGTTAGCTCTT
 CTGATGGCTCCTTCTCGCTGATACTACTTTGCTCGTGCCCTGGCAGTGGCTGTGGATAGCTTTGGCCT
 CAGTCTGGATCCCAGGGAAGCTGACTGTGTCTTCACTGATGCCTCATCACCTCCCTCCCCTCGGGGTGAT
 CTCTCCCTGACCCGAAGCTTCTCTCTGCTTTGTGGGAGTGGAGGCCAGACTGGTTGGAAGATGCTGAGA
 TCAGCCACACCCAGAGGCTGGGGAGGGGCTGCCTCCCTGGCCTCCTGATTCTAGGGCTCTTCCCAGCG
 AAGTTGGTAAGTGGTGTGTGCCAAGGCTGGTATTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >MG211107 representing BC071193
 Red=Cloning site Green=Tags(s)

MGSGGTGLLGTEWPLPLLLLFIIMVLQEDFQIQPRDTVAVVGESLVLECGPPWGYPKPSVSWWKDGKPLVL
 QPGRRTVSGDSLMSRAEKNDSTYMCATNNAQRESRAARVSIQESQDHKEHLELLAVRIQLENTLL
 NPEPVKGPKPGPSVWLSWKVSGPAAPAESYALFRTQSPRDQGSPTWVLLRGLQSAKLGGLHWGQDYE
 FKVRPSSGRARGPDSNVLLLRLPEQVPSAPPQGVTLRSGNGSVFVSWAPPAESHNGVIRGYQVWSL
 GNASLPAANWTVVGEQTQLEIATRLPGSYCVQVAAVTGAGAGELSTPVCLLLEQAMEQSARDPRKHVPWTLEQ
 LRATLRRPEVIASSAVLLWLLLLGITVCIYRRRKAGVHLGPGLYRYTSEDAILKHRMDHSDSPWLADTWR
 STSGSRDLSSSSLSRLGLDPRDPLEGRRSLISWDPRSPGVPLLPDTSTFYGSLIAEQSSPPVVRPSPK
 TPAARRFPSKLAGTSSPWASSDLSRRLCSPRMSLTPTTEAWKAKKKQELHQANSSPLLRSHPMEIWA
 WELGSRASKNLSQSPGPNSSGSPGEAPRAVVSRAVGPQLHRNSSELASRPLPPTPLSLRGASSHDPQSQC
 VEKLQAPSSDPLPAAPLSVLNSSRPSSPQASFLSCPSPSSNLSSSSLSLEEEEDQDSVLTPEEVALCL
 ELSDGEETPTNSVSPMPRAPSPPTTYGYISIPTCISGLADMGRAGGGVGVSEVGNLLYPPRPCTPTPSEGS
 LANGWGSASEDNVPSARASLVSSSDGSFLADTHFARALAVAVDSFGLSLDPREADCFTDASSPPSPRGD
 LSLTRFSLPLWEWRPDWLEDAEISHTQRLGRGLPPWPPDSRASSQRSWLTGAVPKAGDSS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

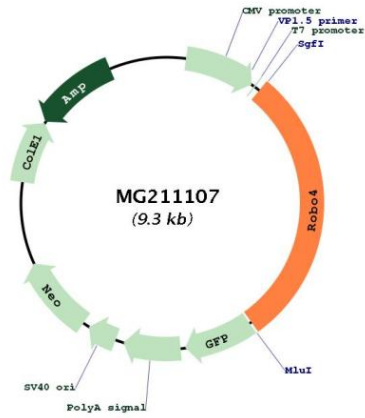
Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:	BC071193
ORF Size:	2705 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	BC071193 , AAH71193
RefSeq Size:	3419 bp
RefSeq ORF:	2705 bp
Locus ID:	74144
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]

Product images:



Circular map for MG211107