

Product datasheet for SC113316

ROBO4 (NM_019055) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ROBO4 (NM_019055) Human Untagged Clone
Tag: Tag Free
Symbol: ROBO4
Synonyms: AOVD3; ECSM4; MRB
Mammalian Cell Selection: None
Vector: pCMV6-XL6
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_019055 edited
GAATTCGGCACGAGGGGACATAGGGCTGAGAGTAGCCATGGGCTCTGGAGGAGACAGCCT
CCTGGGGGGCAGGGGTTCCCTGCCTCTGCTGCTCCTGCTCATCATGGGAGGCATGGCTCA
GGACTCCCGCCCGAGATCCTAGTCCACCCCGAGGACCAGCTGTTCCAGGGCCCTGGCC
TGCCAGGATGAGCTGCCAAGCCTCAGGCCAGCCACCTCCCACCATCCGCTGGTTGCTGAA
TGGGCAGCCCCTGAGCATGGTGCCCCAGACCCACACCCTCCTGCCTGATGGGACCCT
TCTGCTGTACAGCCCCCTGCCCGGGACATGCCACGATGGCCAGGCCCTGTCCACAGA
CCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGCAGTCAGCAGAGGCGC
TCGGCTGTCTGTGGCTGTCTCCGGGAGGATTTCCAGATCCAGCCTCGGGACATGGTGGC
TGTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGGGGCCACCCAGAGCCAC
AGTCTCATGGTGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCGAAGGCACACAGTGT
CGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGAGTGACGAAGGGACCTACATGTGTGT
GGCCACCAACAGCGCAGGACATAGGGAGAGCCGCGCAGCCCGGGTTTCCATCCAGGAGCC
CCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTGTGCGAATTCAGCTGGAAAATGTGAC
ACTGCTGAACCCGGATCCTGCAGAGGGCCCAAGCCTAGACCCGGCGGTGGTGGCTCAGCTG
GAAGGTCAGTGGCCCTGCTGCGCCTGCCAATCTTACACGGCCTTGTTCCAGGACCCAGAC
TGCCCCGGGAGGCCAGGGAGCTCCGTGGCAGAGGAGCTGCTGGCCGGCTGGCAGAGCGC
AGAGCTTGGAGGCCTCCACTGGGGCCAAGACTACGAGTTCAAAGTGAGACCATCCTCTGG
CGGGCTCGAGGCCCTGACAGCAACGTGCTGCTCCTGAGGCTGCCGAAAAAAGTGCCCG
TGCCCCACCTCAGGAAGTGAAGTCTAAAGCCTGGCAATGGCACTGTCTTTGTGAGCTGGGT
CCCACCACCTGCTGAAAACCACAATGGCATCATCCGTGGCTACCAGGTCTGGAGCCTGGG
CAACACATCACTGCCACCAGCCAACTGGACTGTAGTTGGTGGAGCAGACCCAGCTGGAAAT
CGCCACCCATATGCCAGGCTCCTACTGCGTGCAAGTGGCTGCAGTCACTGGTGTGGAGC
TGGGGAGCCAGTAGACCTGTCTGCCTCCTTTTAGAGCAGGCCATGGAGCGAGCCACCCA
AGAACCCAGTGAGCATGGTCCCTGGACCCTGGAGCAGCTGAGGGCTACCTTGAAGCGGCC
TGAGGTCATTGCCACCTGCGGTGTGCACTCTGGCTGCTTCTGGGCACCGCCGTGTG
TATCCACCGCCGCGCCGAGCTAGGGTGCACCTGGGCCAGGTCTGTACAGATATACCAG



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TGAGGATGCCATCCTAAAACACAGGATGGATCACAGTGACTCCCAGTGGTTGGCAGACAC
TTGGCGTTCCACCTCTGGCTCTCGGGACCTGAGCAGCAGCAGCAGCCTCAGCAGTCGGCT
GGGGGCGGATGCCCGGGACCCACTAGACTGTCTGTCGCTCCTTGCTCTCCTGGGACTCCCG
AAGCCCCGGCGTGCCCTGCTTCCAGACACCAGCACTTTTATGGCTCCCTCATCGTGA
GCTGCCCTCCAGTACCCAGCCAGGCCAAGTCCCAGGTCCCAGTGTGAGGCGCCTCCC
ACCCAGCTGGCCAGCTCTCCAGCCCCGTGTTCCAGCTCAGACAGCCTCTGCAGCCGAG
GGGACTCTTTCTCCCCGCTTGCTCTGGCCCCCTGCAGAGGCTTGAAGGCCAAAAAGAA
GCAGGAGCTGCAGCATGCCAACAGTTCCCCTGCTCCGGGGCAGCCACTCCTTGGAGCT
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TCAAGACAGCGTGTGACCCCTGAGGAGGTAGCCCTGTGCTTGGAACTCAGTGAGGGTGA
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CGTCTTCATAGATGCCTCATCACCTCCCTCCCCACGGGATGAGATCTTCTGACCCCCAA
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CACCCAGCGGCTGGGAAGGGGGATGCCTCCCTGGCCCCCTGACTCTCAGATCTTTCCCA
GAGAAGTCAGCTCCACTGTGATGCCAAGGCTGGTGTCTCCTGTAGATTACTCCTG
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GACCTGGGCTGTGGTGTGGGTCTTGGCTGTGTTTCTGTCAGCTGGGGTCCACCTTC
CCAAGCCTCCAGAGATTCTCCCTCCACGATTGTGAAAACAAATGAAAACAAAATTAGAG
CAAAGCTGACCTGGAGCCCTCAGGGAGCAAACATCATCTCCACCTGACTCCTAGCCACT
GCTTTCTCCTCTGTGCCATCCACTCCCACCACCAGTTGTTTTGGCCTGAGGAGCAGCCC
TGCTGTGCTCTCCCCACCATTGGATCACAGGAAGTGGAGGAGCCAGAGGTGCCTT
TGTGGAGGACAGCAGTGGCTGCTGGGAGAGGGCTGTGGAGGAAGGAGCTTCTCGGAGCCC
CCTCTCAGCCTTACCTGGGCCCTCCTCTAGAGAAGAGCTCAACTCTCTCCCAACCTCAC
CATGGAAGAAAAATAATTATGAATGCCACTGAGGCACTGAGGCCCTACCTCATGCCAAAC
AAAGGGTTCAAGGCTGGGTCTAGCGAGGATGCTGAAGGAAGGGAGGTATGAGACCGTAGG
TCAAAAGCACCATCCTCGTACTGTTGTCACTATGAGCTTAAGAAATTTGATACCATAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019055 unedited
 TTTCCCCCGCCGTTGNCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC
 AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG
 AATTCCGGCAGGAGGGGACATAGGGCTGAGAGTAGCCATGGGCTCTGGAGGAGACAGCCTC
 CTGGGGGGCAGGGGTTCCCTGCCTCTGCTGCTCCTGCTCATCATGGGAGGCATGGCTCAG
 GACTCCCCGCCCCAGATCCTAGTCCACCCCAAGGACCAGCTGTTCCAGGGCCCTGGCCCT
 GCCAGGATGAGCTGCCAAGCCTCAGGCCAGCCACCTCCCACCATCCGCTGGTTGCTGAAT
 GGGCAGCCCTGAGCATGGTGCCCCAGACCCACACCACCTCCTGCCTGATGGGACCCTT
 CTGCTGCTACAGCCCCCTGCCCGGGGACATGCCACGATGGCCAGGCCCTGTCCACAGAC
 CTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGCAGTCAGCAGAGGGCGCT
 CGGCTGTCTGTGGCTGTCTCCGGGAGGATTTCCAGATCCAGCCTCGGGACATGGTGGCT
 GTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGNGGCCACCCAGAGCCACACA
 GTCTCATGGTGGAAAGATGGAAACCCCTGGCCCTCCAGCCCGGAAGGCACACAGTGTCC
 GGNNGGTCCCTGTGATGGCAAGAGCAGAGAAGAGTGACGAANGGACCTACATGTGTGTG
 GCCACCAACAGCGCANGACATAGGGAGAGCCGCGCAGCCCGGTTTCCATCCAGAAGCCC
 CAGNACTACACGNAGCCTGTGGAGCTTCTGGCTGTGCGATTTACGCTGGNAAATGTGACA
 CTGCTGAACCCNGTCTGCAGAGGGCCCAAGCTAGACCCGCGTGTGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_019055 unedited
 TGAACGCCACTCAGGTACGTGGCCGCCCTCNANATTCAGTTTTTTTTTTTTTTTTTTTCA
 AGTCTTTACCATTTTATGGTATCAAATTTCTTAAGCTCATAGTGACAACAGTACGAGGAT
 GGTGCTTTTGACTACGGTCTCATACTCCCTTCTTCCAGCATCCTCGCTAGACCCAGCC
 TTGAACCCTTTGTGGCATGAGGTAGGGCCTCAGTGCCTCAGTGGCATTATAATTATT
 TTCTTTCCATGGTGGGTTGGGAGAGAGTTGAGCTTCTCTAGAGGAGGGGGCCAGGTA
 AGGCTGAGAGGGGGCTCCGAGAAGCTCCTTCTCCACAGCCCTCTCCAGCAGCCACTGC
 TGTCTCCACAAGGCACCTCTGGCTCCTCCACTTCTGTGATCCAAATGGTGGGGGAAG
 AGCAGCAGGCAGGGCTGCTCCTCAGGCCAAAACAACCTGGTGGTGGGAGTGGATGGCACA
 GAGGATAAAGCAGTGGCTAGGAGTCAGGTGGAGATGATGTTTTGCTCCCTGAGGGCTCCA
 GGTGAGCTTTGCTCTAATTTTGTCTTTCATTTGTTTTTACAAATCGTGGAGGGAGAATCTC
 TGGAGGCTTGGGAAGGTGGACCCAGCTGCAGAGAAAACAGGCCAAGACCCACACACCA
 CAGCCCAGGTCTTGTGGTGGACAGGAGAAGTGGTTCTGATTCCCGTCTGGGAAGTCTCA
 GGGACACGGTTCAGGAGTAATCTACAGGAGAAGCACCAGCCTTGGGCATACGACAGTGG
 GCTGACTTCTCTGGGAAGAGATCTGAGAGTCAGGGGGCCAGGGAGGCATCCCCCTTTCCA
 GCCGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_019055

Insert Size:

4000 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:	NM_019055.4 , NP_061928.4
RefSeq Size:	3872 bp
RefSeq ORF:	3024 bp
Locus ID:	54538
UniProt ID:	Q8WZ75
Cytogenetics:	11q24.2
Domains:	ig, IGc2, IG, FN3
Protein Families:	Druggable Genome
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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).