

Product datasheet for **SC337594**

ROBO4 (NM_001301088) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROBO4 (NM_001301088) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROBO4
Synonyms:	AOVD3; ECSM4; MRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001301088, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGCTGTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCCGCCTGGGGCCACCCAGAGCCCACAG
TCTCATGGTGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCGAAGGCACACAGTGTCCGGGGGTCCCT
GCTGATGGCAAGAGCAGAGAAGAGTGACGAAGGGACCTACATGTGTGTGGCCACCAACAGCGCAGGACAT
AGGGAGAGCCCGCAGCCCGGGTTTCCATCCAGGAGCCCAAGGACTACACGGAGCCTGTGGAGTTCTGG
CTGTGCGAATTCAGCTGGAATAATGTGACACTGCTGAACCCGGATCCTGCAGAGGGCCCAAGCCTAGACC
GGCGGTGTGGCTCAGCTGGAAGGTGAGTGGCCCTGCTGCGCCTGCCAATCTTACACGGCCTTGTTGAGG
ACCCAGACTGCCCGGGAGGCCAGGGAGCTCCGTGGCAGAGGAGCTGCTGGCCGGCTGGCAGAGCGCAG
AGCTTGGAGGCCCTCCACTGGGGCAAGACTACGAGTTCAAAGTGAGACCATCCTCTGGCCGGGCTCGAGG
CCCTGACAGCAACGTGCTGCTCCTGAGGCTGCCGAAAAAGTGCCAGTGCCCCACCTCAGGAAGTGACT
CTAAAGCCTGGCAATGGCACTGTCTTTGTGAGCTGGGTCCACCACCTGTGAAAACCACAATGGCATCA
TCCGTGGTACCAGGTCTGGAGCCTGGGAACACATCACTGCCACCAGCCAACTGGACTGTAGTTGGTGA
GCAGACCCAGCTGGAATCGCCACCCATATGCCAGGCTCCTACTGCGTGCAAGTGCTGCAGTCACTGGT
GCTGGAGCTGGGGAGCCAGTAGACCTGTCTGCCTCCTTTTAGAGCAGGCCATGGAGCGAGCCACCCAAG
AACCCAGTGAGCATGGTCCCTGGACCCTGGAGCAGCTGAGGGCTACCTTGAAGCGGCCTGAGGTCATTGC
CACCTGCGGTGTTGCACTCTGGCTGCTGCTTCTGGGCACCGCCGTGTGTATCCACCGCCGGCGCCGAGCT
AGGGTGCACCTGGGCCAGGTCTGTACAGATAACAGTGAGGATGCCATCCTAAACACAGGATGGATC
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CAGCCTCAGCAGTCCGCTGGGGCCGATGCCCGGAGCCACTAGACTGTCTGTCTCTCTCTCTCTCTCTGG
GACTCCCGAAGCCCGGGCTGCCCTGCTTCCAGACACCAGCACATTTTATGGCTCCCTCATCGTGTGAGC
TGCCCTCCAGTACCCAGCCAGGCCAAGTCCCCAGGTCAGCTGTGAGGCGCCTCCACCCAGCTGAGC
CCAGCTCTCCAGCCCTGTTCCAGCTCAGACAGCCTCTGCAGCCGAGGGGACTCTTTCTCCCGCTTG
TCTCTGGCCCTGCAGAGGCTTGAAGGCCAAAAAGAAGCAGGAGCTGCAGCATGCCAACAGTTCGCCAC
TGCTCCGGGGCAGCCACTCCTTGGAGCTCCGGGCTGTGAGTTAGGAAATAGAGGTTCCAAGAACCTTTC
CCAAAGCCAGGAGCTGTGCCCCAAGCTCTGGTTGCTGGCGGGCCCTGGGACCGAAACTCCTCAGCTCC
TCAAATGAGCTGGTTACTCGTCATCTCCCTCCAGCACCCCTCTTCTCATGAAACTCCCCCAACTCAGA
GTCAACAGACCCAGCCTCCGGTGGCACCACAGGCTCCCTCCTCCATCCTGCTGCCAGCAGCCCCATCCC
CATCCTTAGCCCTGCAGTCCCCTAGCCCCAGGCCCTTCCCTCTCTGCCCCAGCCAGCTTCCAGT
CGCCTGTCCAGCTCCTCACTGTATCCCTGGGGAGGATCAAGACAGCGTGTGACCCCTGAGGAGGTAG
CCCTGTGCTTGGAACTCAGTGAGGGTGAGGAGACTCCCAGGAACAGCGTCTCTCCATGCCAAGGGCTCC
TTCACCCCCACCACTATGGGTACATAGCGTCCCAACAGCCTCAGAGTTCACGGACATGGGCAGGACT
GGAGGAGGGGTGGGGCCCAAGGGGGAGTCTTGTGTGCCACCTCGGCCCTGCCACCCCCACCCCCA
GCGAGGGCTCCTTAGCCAATGGTTGGGGCTCAGCCTCTGAGGACAATGCCGCCAGCGCCAGAGCCAGCCT
TGTCAGCTCCTCCGATGGCTCCTTCTCGCTGATGCTCACTTTGCCCGGGCCCTGGCAGTGGCTGTGGAT
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CACGGGATGAGATCTTCTGACCCCAACCTCCTCCCTGCCCTGTGGGAGTGGAGGCAGACTGGTTGGA
AGACATGGAGGTACCCACACCCAGCGGCTGGGAAGGGGATGCCTCCCTGGCCCCCTGACTCTCAGATC
TCTTCCAGAGAAGTCAGCTCCACTGTCGTATGCCAAGGCTGGTCTTCTCTGTAGTTACTCCTGA
    
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Restriction Sites: Sgfl-MluI

ACCN: NM_001301088

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_001301088.1</u> , <u>NP_001288017.1</u>
RefSeq Size:	3653 bp
RefSeq ORF:	2589 bp
Locus ID:	54538
UniProt ID:	<u>Q8WZ75</u>
Cytogenetics:	11q24.2
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice junction at the 5' end of the second exon and starts translation at a downstream AUG compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>