

Product datasheet for **RC239700**

ROBO4 (NM_001301088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROBO4 (NM_001301088) Human Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide
Sequence:**

>RC239700 representing NM_001301088
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGTGGCTGTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGGGGCCACCCAGAGCCACAG
 TCTCATGGTGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCGGAAGGCACACAGTGTCCGGGGGTCCCT
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Protein Sequence: >RC239700 representing NM_001301088
Red=Cloning site Green=Tags(s)

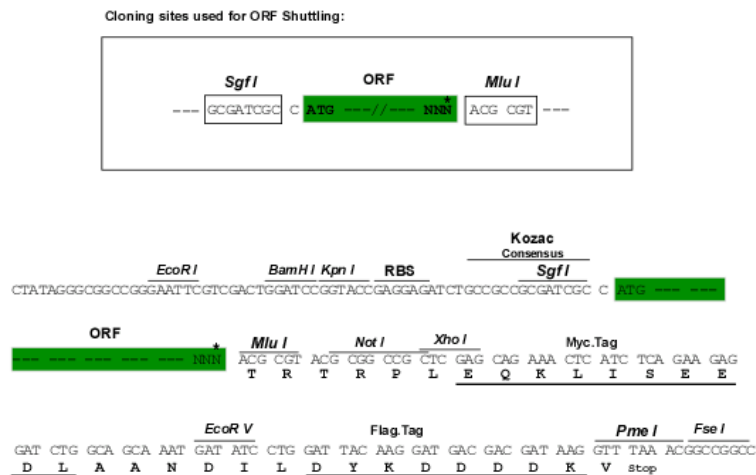
MVAVVGEQFTLECGPPWGHPEPTVSWWKDGKPLALQPGRHTVSGGSLLMARAEKSDEGTYMCVATNSAGH
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RLSSSSSLSSLGEDQDSVLTPEEVALCLELSEGETPRNSVSPMPRAPSPPTTYGYISVPTASEFTDMGRT
GGGVGPKGGVLLCPPRPCLTPTPSEGLANGWGSASEDNAASARASLVSSSDGSFLADAHFARALAVAVD
SFGFGLPREADCYFIDASSPPSPRDEIFLTPNLSLPLWEWRPDWLEDMEVSHTQRLGRGMPPWPPDSQI
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Restriction Sites:

SgfI-MluI

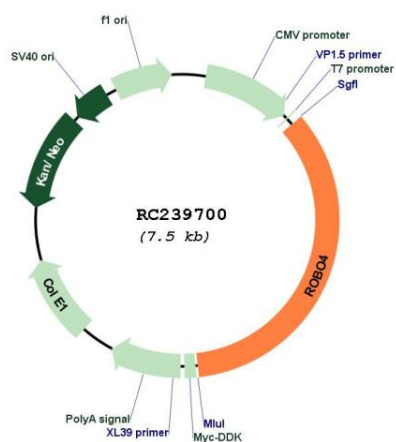
Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001301088
ORF Size:	2586 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001301088.2
RefSeq Size:	3653 bp
RefSeq ORF:	2589 bp
Locus ID:	54538
UniProt ID:	Q8WZ75
Cytogenetics:	11q24.2
Protein Families:	Druggable Genome
MW:	92.6 kDa
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]

Product images:



Circular map for RC239700