

Product datasheet for **RG239558**

ROBO2 (NM_001290065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROBO2 (NM_001290065) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ROBO2
Synonyms:	SAX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239558 representing NM_001290065.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGTCAGAGCGATCAACCCCAAGGTCTCAGTGACCCAAGTCCCATGTCAGATCCTGTGCGCACACAA
GATATCAGCCACCAGCACAAAGGAGTGGACCACAGGCAAGTGCAGAAAGAGCTAGGAGATGTCCTTGTC
CGTCTTCATAATCCAGTTGTGCTGACTCCACCACGGTTCAGGTACATGGACGGTTGATCGCCAACCC
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CACCAGCGCAATGCCAGCGACCTTCTTGACATAGGATATATGGGCTCCAACAGTCAAGGACAGTTTACA
GGTGAATTA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239558
Blue=ORF Red=Cloning site Green=Tag(s)

MVRAINPQGLSDPSPMSDPVRTQDISPPAQGVDRVQKELGDVLRVLRHNPVVLTPTTVQVTWTVDRQP
QFIQGYRVMYRQTSGLQATSSWQNLDAKVPTERSAVLVNLKKGVTYEIKVRPYFNEFQGMDESEKTVRT
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IGGLFPGIQYRVEVAASTSAGVGKSEPQPIIIGRRNEVVITENNNSITEQITDVVKQPAFIAGIGGAC
WVILMGFSIWLWRRKKRKGLSNYAVTFQRGDGGLMNGSRPGLLNAGDPSYPWLADSWPATSLPVNNS
NSGPNEIGNFGRGDVLPVPGQGDKTATMLSDGAIYSSIDFTTKTSYNSSSQITQATPYATTQILHSNS
IHELAVDLPDPQWKSSIQKTDLMGFGYSLPDQNKGNNGGKGGKKNKNSKPKQKNGSTWANVPLPP
PPVQPLPGTELEHYAVEQQENGYSDSWCPPLPVQTYLHQGLEDELEEDDDRVPTPPVRGVASSPAISF
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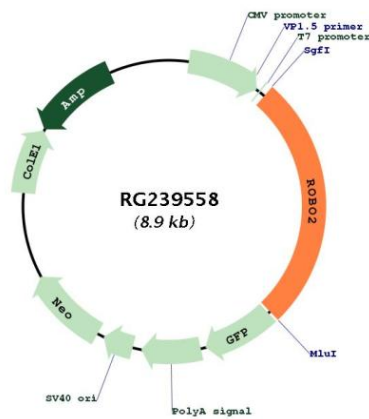
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FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul

RefSeq: [NM_001290065.2](#)
RefSeq Size: 8828 bp
RefSeq ORF: 2358 bp
Locus ID: 6092
UniProt ID: [Q9HCK4](#)
Cytogenetics: 3p12.3
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Axon guidance
MW: 85.9 kDa

Gene Summary: The protein encoded by this gene belongs to the ROBO family, part of the immunoglobulin superfamily of proteins that are highly conserved from fly to human. The encoded protein is a transmembrane receptor for the slit homolog 2 protein and functions in axon guidance and cell migration. Mutations in this gene are associated with vesicoureteral reflux, characterized by the backward flow of urine from the bladder into the ureters or the kidney. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RG239558