

## Product datasheet for **SC214786**

### **ROBO2 (NM\_002942) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	ROBO2 (NM_002942) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ROBO2
Synonyms:	SAX3
ACCN:	NM_002942
Insert Size:	2000 bp



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**Insert Sequence:**

>SC214786 3'UTR clone of NM\_002942

The sequence shown below is from the reference sequence of NM\_002942. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGTCAAGGACAGTTTACAGGTGAATTATAGTAAATGAGAGGAGACATACAAAGCTGCTCTGAAGGACCA
TCAGGTCGCGACTCATGGAAGTGATGACTCTAAACAGTGCAATGAACAATTTATTATGACTATTTAAA
AGAAGTGTAAATGCAATGTAAAGACACACAGCCACACATATCCACAGATATTTTCATTGTGTTCTTCT
CTTAAGTACACCACCCACCTTAACCTTTTCTTGTGTCAGGAGTATATAAAAAAGAAAGAAAACAAACTCG
CCCTACAGGAAGAAAAGGATTCTCCTCTGTATATAATTTCTTTTGTGCATTGCTATGCAAGCTCACTCT
TTTTAGCTCTGCTCATATTATTGTCTGTTCTTATTGGTCTGTTGACTATATGTGAATTAATAGGCTGT
GGTGCCATATATTAACCTTTAATTGTGTAACCTTTATGTTTAAATTTTGCAGTCAATTTTATTTGGTG
ATAAGCACAAATCTCTACTCCTCATGACATGAAGAAAAGACTGAATGTGAAGGGAGTTTCTGTACTGT
AAGCTAGATTGGATAATGATGGCTGTAACAAATCATGTTAGATGGTTTTAGTTGGGGTGTAGAAAATAG
GAAGATGCAAAGGAACAATGGTGTGGCAAAGTCTTCTTTGAATATCAGGGACTGAGTCAATAAAAAAA
ATAGTAGAAAAGGTGGCTTTACTATTGACAAAAGCCGGGGTCAAAAAAGTAGTTAAGTCTTAAGACT
GAATATGCATTAAGTATGCAGGTAGCAAAGATGTAATAAATTTGCTTAAAAAAGAAAATTAAGGTTTT
ATTTAGAATCAATTTTACCTGTCAATTGTAATTGACCCATCTGAGAATTACAATAAGCAAGAGGAAATTA
AGGTGTTTTGCAAGAGCTGTATTTATATTACAGTTTTTTAAAAACATTTTCTGAATTATCGTAATTAAG
CTCTCCAACCTCGTTAAGTCAGAATATAATATGAAGTCCCAAGGAAACGAACAAAATGAACCTAGAA
TATCTAGCAAATAGTTAAAGAAGCAATTTATTATTAGGGCATACTCGGGCTGTTTCCAAATATAAATC
TATTGCAATATCTTATTTTCACTTTTCTAATACATGTACAGTGCACACTAGAGGATAGAGCTGCATCACT
TAAATTCATGACTTAAAAATAATACAGTTTATATACAACCTGTTTTTTATTTGATTAAGAAGTGAAGT
TTACGCCACCCAATGTATAGCAAATTTGTACGTGCTTAAAAACAGTGCCGAGAGTATGTTCAAGTTCGC
AGTAAGTAGATTTATTGGAATAAATATTCTATGGTACATTCTCAGAAATGGCTTCCAACAAAATACG
TTTGACCCATTTTGAATAAGGAAATGAAAAGAAAAATTTAAAGGAGAAAAAAATGCATGTTTATAAA
CTTTTTAAATAAAACCAGACCTTGTAAGTGGACATTAATAATTGCTCCTGCCTCATTTGTTTTACGACT
TTGACAACAAGAAGTTCCTGAACATTAGTCATGTATGCTCAGAATAAATGTGACTTTGAAATATATGTT
AGCTACTGTACATGTATAGTCAGTCAAGTAGAAGAGGACCTTCTGAAATCCCCTTGTGACATTTTC
CCATGGGTTTCCCTACACAATCTTAAATTTTATTCTGTCTATACTTTCTCAAATTTTCCCTATGATAAG
TTCAGTTGTTGGTACTCTTCTAAAAATATTCAACGTGATTAGGATCAGTTCTAAAATACGGGACCCCTT
TGAGTGACAATTCGCACTCCATGCATTATTGGCTCAGTAGCCAATTTTGTACAGTCTGTTATAACAAGG
AGATGACATAATTAACATTTCCATCCTTTCTATTCCCTGAGACTGCATCAGCACAGGCAAGTATAGAA
TGTAATGTTCTTCATGGGCCCCACCAGCTTTTGGTGCCATGTAATTTATTTCTCGCTGAAGAGAAA
ACGCGTAAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCCTTCTATGAAAGG
    
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**Restriction Sites:**

SgfI-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_002942.5](#)

**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]

**Locus ID:** 6092

**MW:** 77.2