

## Product datasheet for **SC216211**

### **ROBO1 (NM\_002941) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	ROBO1 (NM_002941) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ROBO1
Synonyms:	DUTT1; SAX3
ACCN:	NM_002941
Insert Size:	1704 bp



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**Insert Sequence:** >SC216211 3'UTR clone of NM\_002941  
The sequence shown below is from the reference sequence of NM\_002941. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AATGAAGAATTAGAGGAACTGAAAGCTGAAGACAACCAAGAGGCTTATGAGATCTAATGTGAAAATCA
TCACTCAAGATGCCTCCTGTCAGATGACACATGACGCCAGATAAAATGTTCAAGTCAATCAGAGTGATAC
AAATTGCGTTTTTATTCTCTTATTGGGATATCATTAAAAAACTTTATTGGGTTTTTATTGTTGTTG
TTTGATCCCTAACCTACAAAGAGCCTTCTATTCCCCTCGTGTGGAGCAAACCATTATACCTTACT
TCCAGCAAAGCAAGTGCTTTGACTTCTTGCTTCAGTCATCAGCCAGCAAGAGGGAACAAAACCTGTTCTT
TTGCATTTTGGCGCTGAGATATGGCATTGCACTGCTTATATGCCAAGCTAATTTATAGCAAGATATTGA
TCAAATATAGAAAGTTGATTTCAACCTCACAAAGGCTCTCAAAGTATAATCTTTCTATAGCCAACCTGC
TAATGCAAAATTAACATATTTTCAATTTAACATGATTTCAAATCAGTTTTTCTACTACCTTTGCTG
GAAGAAACTAAAAATATAGCAAATGCAGAACCAACAACAATTGAAATGGGGTAGAAACATTGTAAATAT
TACTCTTTGCAAAACCTGGTGGTATTTTATTTGGCTTCATTTCAATCATTGAAGTATATTCTTATTG
GAAATGTACTTTTGGATAAGTAGGGCTAAGCCAGTTGGATCTCTGGTTGTCTAGTCATTGTCATAAGTA
AACCTAGTAAACCTTGTCTATTTTCAATCATCAAAAAGTAATTATAAATACGTATTACAAACAAGT
GGATGTTTTTAATGACCAATTGAGTAAGAACATCCCTGTCTTAACTGGCCTAAATTTCTTCTGGTAGTG
TCAGTTCAACTTTCAGAAGTGCCACTTAAGGAAGTTTGATTTTTGTTTTGTAATGCACTGTTTTTAAT
CTCTCTCTTTTTTTTTTTTTTTTTGGTTTTAAAAGCACAACTACTAACTTTATTTGTAACCACTTG
TAACATTAACCTTTTTTGTCTTATTGAAAAAAAATGTTGAGAAGCGTTTTTAACTGTTTTGTTAA
TGCTCTATGTTTGTATTTGGAATATTTGAATAATGACAGATGGTGAAGTAACATGCATACTTTATTGTG
GGCCATGAACCAATGGTTCTTACTTTTCTGGACTTAAAGAAAAAAGAGGTTTAAAGTTTGTGTGGC
CAATGTCGAAACCTACAAGATTTCTTAAATCTCTAATAGAGGCATTACTTGCTTTCAATTGACAAAT
GATGCCCTCTGACTAGTAGATTCTATGATCCTTTTTTGTCAATTTATGAATATCATTGATTTTATAAT
TGGTGCTATTTGAAGAAAAAATGTACATTTATTCATAGATAGATAAGTATCAGGTCTGACCCAGTGG
AAAACAAGCCAAACAAAACCTGAACCACAAAAAAAAGGCTGGTGTTCACAAAACCAAACTTGTTTAT
TTAGATAATTTGAAAAAGTTCCATAGAAAAGCGTGCAGTACTAAGGGAACAATCCATGTGATTAATGT
TTTCATTATGTTTATGTAAGAAGCCCTTATTTTAGCCATAATTTGCATACTGAAAATCCAATAATC
AGAAAAGTAAATTTGTACATTATTTATTAATAAATGTTTCTCAAATACA
ACGCGTAAAGCGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCACCGCCGCTTCTATGAAAGG
```

**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\\_002941.4](#)

**Summary:** Bilateral symmetric nervous systems have special midline structures that establish a partition between the two mirror image halves. Some axons project toward and across the midline in response to long-range chemoattractants emanating from the midline. The product of this gene is a member of the immunoglobulin gene superfamily and encodes an integral membrane protein that functions in axon guidance and neuronal precursor cell migration. This receptor is activated by SLIT-family proteins, resulting in a repulsive effect on glioma cell guidance in the developing brain. A related gene is located at an adjacent region on chromosome 3. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

**Locus ID:** 6091

**MW:** 66.7