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# Product datasheet for SC216212

## ROBO1 (NM_133631) Human 3' UTR Clone

### Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Product Name:** | ROBO1 (NM_133631) Human 3' UTR Clone |
| **Vector:** | pMirTarget (PS100062) |
| **Symbol:** | ROBO1 |
| **Synonyms:** | DUTT1; SAX3 |
| **ACCN:** | NM_133631 |
| **Insert Size:** | 1704 bp |

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**Insert Sequence:**

>SC216212 3'UTR clone of NM_133631
The sequence shown below is from the reference sequence of NM_133631. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AATGAAGAATTAGAGGAAACTGAAAGCTGAAGACAACCAAGAGGCTTATGAGATCTAATGTGAAAATCA
TCACTCAAGATGCCTCCTGTCAGATGACACATGACGCCAGATAAAATGTTCAGTGCAATCAGAGTGTAC
AAATTGTCGTTTTTATTCCTCTTATTGGGATATCATTTTAAAAACTTTATTGGGTTTTTATTGTTGTTG
TTTGATCCCTAACCCTACAAAGAGCCTTCCTATTCCCCTCGCTGTTGGAGCAAACCATTATACCTTACT
TCCAGCAAGCAAAGTGCTTTGACTTCTTGCTTCAGTCATCAGCCAGCAAGAGGGAACAAAACTGTTCTT
TTGCATTTTGCCGCTGAGATATGGCATTGCACTGCTTATATGCCAAGCTAATTTATAGCAAGATATTGA
TCAAATATAGAAAGTTGATATTCAACCTCACAAGGGCTCTCAAAGTATAATCTTTCTATAGCCAACTGC
TAATGCAAATTAAAACATATTTCATTTTAACATGATTTCAAAATCAGTTTTTCATACTACCCTTTGCTG
GAAGAAACTAAAAATATAGCAAATGCAGAACCACAAACAATTCGAATGGGGTAGAAACATTGTAAATAT
TTACTCTTTGCAAACCCTGGTGGTATTTTATTTTGGCTTCATTTCAATCATTGAAGTATATTCTTATTG
GAAATGTACTTTTGGATAAGTAGGGCTAAGCCAGTTGGATCTCTGGTTGTCTAGTCATTGTCATAAGTA
AACCTAGTAAAACCTTGTTCTATTTTTCAATCATCAAAAAGTAATTATAAATACGTATTACAAACAAGT
GGATGTTTTTAATGACCAATTGAGTAAGAACATCCCTGTCTTAACTGGCCTAAATTTCTTCTGGTAGTG
TCAGTTCAACTTTCAGAAGTGCCACTTAAGGAAGTTTGATTTTTGTTTTTGTAATGCACTGTTTTTAAT
CTCTCTCTCTTTTTTTTTTTTTTTTTGGTTTTAAAAGCACAATCACTAAACTTTATTTGTAAACCATTG
TAACTATTAACCTTTTTTGTCTTATTGAAAAAAAAAATGTTGAGAAGCGTTTTTAACCTGTTTTGTTAA
TGCTCTATGTTTGTATTTGGAATATTTGAATAATGACAGATGGTGAAGTAACATGCATACTTTATTGTG
GGCCATGAACCAAATGGTTCTTACTTTTCCTGGACTTAAAGAAAAAAAGAGGTTTAAGTTTGTTGTGGC
CAATGTCGAAACCTACAAGATTTCCTTAAAATCTCTAATAGAGGCATTACTTGCTTTCAATTGACAAAT
GATGCCCTCTGACTAGTAGATTTCTATGATCCTTTTTTGTCATTTTATGAATATCATTGATTTTATAAT
TGGTGCTATTTGAAGAAAAAAATGTACATTTATTCATAGATAGATAAGTATCAGGTCTGACCCCAGTGG
AAAACAAAGCCAAACAAAACTGAACCACAAAAAAAAAGGCTGGTGTTCACCAAAACCAAACTTGTTCAT
TTAGATAATTTGAAAAAGTTCCATAGAAAAGGCGTGCAGTACTAAGGGAACAATCCATGTGATTAATGT
TTTCATTATGTTCATGTAAGAAGCCCCTTATTTTTAGCCATAATTTTGCATACTGAAAATCCAATAATC
AGAAAAGTAATTTTGTCACATTATTTATTAAAAATGTTCTCAAATACA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**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_133631.4

**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