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Product datasheet for RC213799L3V

ROBO1 (NM_002941) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ROBO1 (NM_002941) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ROBO1
Synonyms:	DUTT1; SAX3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002941
ORF Size:	4953 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213799).
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.
RefSeq:	NM_002941.3
RefSeq Size:	6895 bp
RefSeq ORF:	4956 bp
Locus ID:	6091
UniProt ID:	Q9Y6N7
Cytogenetics:	3p12.3
Domains:	ig, IGv, IGc2, IG, FN3
Protein Families:	Druggable Genome

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Protein Pathways: Axon guidance

MW: 180.9 kDa

Gene 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]