

Product datasheet for **RC217209L4V**

RBFOX2 (NM_001082578) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RBFOX2 (NM_001082578) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RBFOX2
Synonyms:	dj106I20.3; Fox-2; FOX2; fxx; HNRBP2; HRNBP2; RBM9; RTA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001082578
ORF Size:	1353 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217209).
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_001082578.1
RefSeq Size:	6957 bp
RefSeq ORF:	1356 bp
Locus ID:	23543
UniProt ID:	O43251
Cytogenetics:	22q12.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	47.2 kDa



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Gene Summary:

This gene is one of several human genes similar to the *C. elegans* gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. The protein binds to a conserved UGCAUG element found downstream of many alternatively spliced exons and promotes inclusion of the alternative exon in mature transcripts. The protein also interacts with the estrogen receptor 1 transcription factor and regulates estrogen receptor 1 transcriptional activity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]