

Product datasheet for **MR220154L4V**

Rtn2 (NM_001025364) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rtn2 (NM_001025364) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rtn2
Synonyms:	MMS10-P; Ms10p; Nspl1; NSPLI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001025364
ORF Size:	612 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220154).
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_001025364.3 , NP_001020535.1
RefSeq Size:	1080 bp
RefSeq ORF:	615 bp
Locus ID:	20167
UniProt ID:	O70622
Cytogenetics:	7 9.54 cM



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Gene Summary:

Inhibits amyloid precursor protein processing, probably by blocking BACE1 activity (By similarity). Enhances trafficking of the glutamate transporter SLC1A1/EAAC1 from the endoplasmic reticulum to the cell surface (By similarity). Plays a role in the translocation of SLC2A4/GLUT4 from intracellular membranes to the cell membrane which facilitates the uptake of glucose into the cell (PubMed:19720795).[UniProtKB/Swiss-Prot Function]