

Product datasheet for **MR210076L4V**

Rfx2 (NM_009056) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Rfx2 (NM_009056) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Rfx2 |
| Synonyms: | 5430432H19Rik |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_009056 |
| ORF Size: | 2076 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR210076). |
| 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_009056.2 , NP_033082.1 |
| RefSeq Size: | 3278 bp |
| RefSeq ORF: | 2079 bp |
| Locus ID: | 19725 |
| UniProt ID: | P48379 |
| Cytogenetics: | 17 29.5 cM |



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Gene Summary:

Transcription factor that acts as a key regulator of spermatogenesis (PubMed:26248850, PubMed:26162102, PubMed:26853561). Acts by regulating expression of genes required for the haploid phase during spermiogenesis, such as genes required for cilium assembly and function (PubMed:26162102, PubMed:26853561). Recognizes and binds the X-box, a regulatory motif with DNA sequence 5'-GTNRCC(0-3N)RGYAAC-3' present on promoters (PubMed:15229132, PubMed:26162102). Probably activates transcription of the testis-specific histone gene HIST1H1T (PubMed:15229132).[UniProtKB/Swiss-Prot Function]