

Product datasheet for **MR207295L4V**

Armcx1 (NM_001166380) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Armcx1 (NM_001166380) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Armcx1 |
| Synonyms: | 3010033I09Rik; ALEX1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001166380 |
| ORF Size: | 1368 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR207295). |
| 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_001166380.1 , NP_001159852.1 |
| RefSeq Size: | 2353 bp |
| RefSeq ORF: | 1371 bp |
| Locus ID: | 78248 |
| UniProt ID: | Q9CX83 |
| Cytogenetics: | X E3 |



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Gene Summary:

Regulates mitochondrial transport during axon regeneration. Increases the proportion of motile mitochondria by recruiting stationary mitochondria into the motile pool. Enhances mitochondria movement and neurite growth in both adult axons and embryonic neurons. Promotes neuronal survival and axon regeneration after nerve injury. May link mitochondria to the Trak1-kinesin motor complex via its interaction with Miro1.[UniProtKB/Swiss-Prot Function]