Product datasheet for MR205906L4V

Armcx3 (NM_027870) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Armcx3 (NM_027870) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Armcx3
Synonyms:	1200004E24Rik; AI450003; ALEX3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_027870
ORF Size:	1140 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205906).
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_027870.1, NP_082146.1
RefSeq Size:	3385 bp
RefSeq ORF:	1140 bp
Locus ID:	71703
UniProt ID:	Q8BHS6
Cytogenetics:	X E3

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Gene Summary: Regulates mitochondrial aggregation and transport in axons in living neurons (PubMed:22569362, PubMed:23844091). May link mitochondria to the Trak2-kinesin motor complex via its interaction with Miro and Trak2 (PubMed:22569362). Mitochondrial distribution and dynamics is regulated through Armcx3 protein degradation, which is promoted by PCK and negatively regulated by Wnt1 (PubMed:23844091). Enhances the Sox10-mediated transactivation of the neuronal acetylcholine receptor subunit alpha-3 and beta-4 subunit gene promoters (PubMed:19304657).[UniProtKB/Swiss-Prot Function]