OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR208926L4V

Arx (NM_007492) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Arx (NM_007492) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Arx
Synonyms:	Ar; Arx1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007492
ORF Size:	1692 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208926).
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_007492.3, NP_031518.2
RefSeq Size:	2759 bp
RefSeq ORF:	1695 bp
Locus ID:	11878
UniProt ID:	O35085
Cytogenetics:	X 41.05 cM

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Gene Summary: This gene encodes a transcription factor that plays an important role in the development of forebrain. Male mice lacking this gene have smaller brains, olfactory bulbs and testes, and die within half a day after birth. Mice lacking this gene specifically in ganglionic eminence-derived neurons, including cortical interneurons, develop seizures. Mutations in this gene have been demonstrated to cause mouse phenotypes resembling human X-linked lissencephaly and cognitive disability with epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]