

Product datasheet for **MR215718L4V**

Akap8 (NM_019774) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Akap8 (NM_019774) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Akap8
Synonyms:	1200016A02Rik; AA673585; AKA; AKAP-8; AKAP95; AU015639
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019774
ORF Size:	2064 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215718).
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_019774.4 , NP_062748.2
RefSeq Size:	3695 bp
RefSeq ORF:	2064 bp
Locus ID:	56399
UniProt ID:	Q9DBR0
Cytogenetics:	17 B1



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Gene Summary:

This gene encodes a member of the A-kinase anchoring protein (AKAP) family. These proteins are characterized by their ability to bind to the R subunit of protein kinase A (PKA) and anchor the protein at different subcellular locations. This protein has been shown to regulate apoptosis and to be involved in palatogenesis. Knockdown of this gene has been associated with altered histone modifications and reduced expression of developmental genes in mouse embryonic stem cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]