

## Product datasheet for **MR224507L4V**

### Akap7 (NM\_018747) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Akap7 (NM_018747) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Akap7
Synonyms:	6430401D08; AI662165; AKAP15; Akap18; BB170514
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018747
ORF Size:	942 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224507).
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. <a href="#">More info</a>
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:	<a href="#">NM_018747.4</a>
RefSeq Size:	3140 bp
RefSeq ORF:	945 bp
Locus ID:	432442
UniProt ID:	<a href="#">Q7TN79</a>
Cytogenetics:	10 A4



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**Gene Summary:**

Targets the cAMP-dependent protein kinase (PKA) to the plasma membrane, and permits functional coupling to the L-type calcium channel. The membrane-associated form reduces epithelial sodium channel (ENaC) activity, whereas the free cytoplasmic form may negatively regulate ENaC channel feedback inhibition by intracellular sodium (By similarity). [UniProtKB/Swiss-Prot Function]