

## Product datasheet for **RC200233L4V**

### AKAP8L (NM\_014371) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	AKAP8L (NM_014371) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AKAP8L
Synonyms:	HA95; HAP95; NAKAP; NAKAP95
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014371
ORF Size:	1938 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200233).
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_014371.2</a>
RefSeq Size:	2231 bp
RefSeq ORF:	1941 bp
Locus ID:	26993
UniProt ID:	<a href="#">Q9ULX6</a>
Cytogenetics:	19p13.12
Domains:	AKAP95
Protein Families:	Druggable Genome



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MW: 71.6 kDa

**Gene Summary:** Could play a role in constitutive transport element (CTE)-mediated gene expression by association with DHX9. Increases CTE-dependent nuclear unspliced mRNA export (PubMed:10748171, PubMed:11402034). Proposed to target PRKACA to the nucleus but does not seem to be implicated in the binding of regulatory subunit II of PKA (PubMed:10761695, PubMed:11884601). May be involved in nuclear envelope breakdown and chromatin condensation. May be involved in anchoring nuclear membranes to chromatin in interphase and in releasing membranes from chromatin at mitosis (PubMed:11034899). May regulate the initiation phase of DNA replication when associated with TMPO isoform Beta (PubMed:12538639). Required for cell cycle G2/M transition and histone deacetylation during mitosis. In mitotic cells recruits HDAC3 to the vicinity of chromatin leading to deacetylation and subsequent phosphorylation at 'Ser-10' of histone H3; in this function seems to act redundantly with AKAP8 (PubMed:16980585). May be involved in regulation of pre-mRNA splicing (PubMed:17594903).[UniProtKB/Swiss-Prot Function]