

Product datasheet for **RC213040L4V**

AKAP7 (NM_004842) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AKAP7 (NM_004842) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AKAP7
Synonyms:	AKAP15; AKAP18
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004842
ORF Size:	243 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213040).
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_004842.2
RefSeq Size:	2279 bp
RefSeq ORF:	246 bp
Locus ID:	9465
UniProt ID:	O43687
Cytogenetics:	6q23.2
Protein Families:	Druggable Genome
MW:	8.8 kDa



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Gene Summary:

This gene encodes a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins that bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular compartments. AKAPs have a common RII-binding domain, but contain different targeting motifs responsible for directing PKA to distinct intracellular locations. Three alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Apr 2011]