

# Product datasheet for RC204911L4

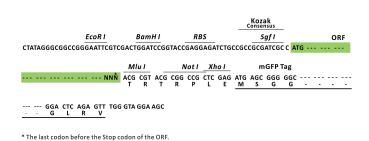
## GKAP1 (NM\_025211) Human Tagged Lenti ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	GKAP1 (NM_025211) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	GKAP1
Synonyms:	FKSG21; GKAP42
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204911).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf i         ORF         Miu i            GCG ATC GC         ATG//         NNN         ACG CGT



ACCN: ORF Size: NM\_025211 1098 bp



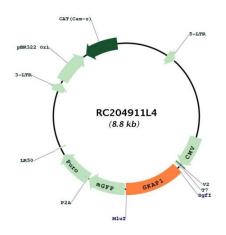
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GKAP1 (NM_025211) Human Tagged Lenti ORF Clone – RC204911L4	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
RefSeq:	<u>NM 025211.2</u>
RefSeq Size:	1891 bp
RefSeq ORF:	1101 bp
Locus ID:	80318
UniProt ID:	<u>Q5VSY0</u>
Cytogenetics:	9q21.32
Protein Families:	Druggable Genome
MW:	42.1 kDa
Gene Summary:	This gene encodes a protein that is highly similar to the mouse cGMP-dependent protein kinase anchoring protein 42kDa. The mouse protein has been found to localize with the Golgi and recruit cGMP-dependent protein kinase I alpha to the Golgi in mouse testes. It is thought to play a role in germ cell development. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

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### **Product images:**



Circular map for RC204911L4

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