

Product datasheet for RC222061

ALPK1 (NM_001102406) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALPK1 (NM_001102406) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALPK1
Synonyms:	8430410J10Rik; LAK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	OriGene ORF within RC222061 sequence for NM_001102406 edited (data generated by NextGen Sequencing)

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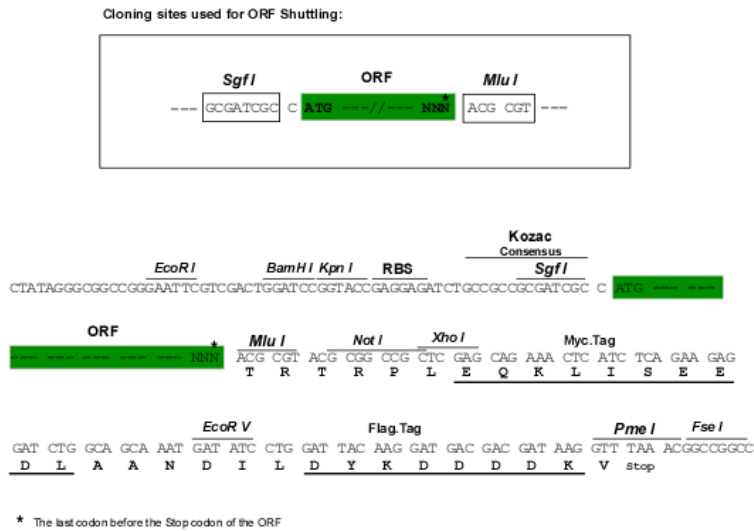
Protein Sequence: >Peptide sequence encoded by RC222061
 Blue=ORF Red=Cloning site Green=Tag(s)

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Chromatograms: https://cdn.origene.com/chromatograms/ja3137_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

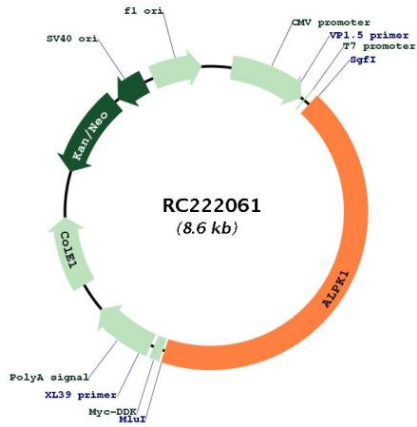


ACCN: NM_001102406

ORF Size: 3732 bp

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.
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 style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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.
RefSeq Size:	5389 bp
RefSeq ORF:	3735 bp
Locus ID:	80216
UniProt ID:	Q96QP1
Cytogenetics:	4q25
Protein Families:	Druggable Genome, Protein Kinase
MW:	138.9 kDa
Gene Summary:	This gene encodes an alpha kinase. Mice which were homozygous for disrupted copies of this gene exhibited coordination defects (PMID: 21208416). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RC222061