

Product datasheet for **SC332249**

ALPK1 (NM_001253884) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALPK1 (NM_001253884) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALPK1
Synonyms:	8430410J10Rik; LAK
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332249 representing NM_001253884. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTGTCGGAAGAGGACAAGAGCGAGGACCAGCGCTGCAGAGGCGTCCCTGAGGGCCTCCATCCTCGCT
CGGGACTGTGCGGCTGCGGCGGCTATTGTGTTCTTGGTGGACCGGTTCTGTATGGGCTCGACGTCTCT
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TCTTCTGATTCTGGTAGGCCAAGAATATGGGCACACATCCTTCAGTCCAAAAAGAAGAAGCCTTTGAA
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ACCGGTAATGGAAGGAGTCTACCTCACAGATCCCAGATTCACTCCGTTGATCAGAAAGTTTTTC
ACTACCAATTTTGAAAGAGAGGAATTTTACTTCTTTAATAACCAGCATGTGGAATGTAATGAAATC
TGCCATCGTCTTTCTTTGACTAGACCTCAATGGAGAAACCATGCACATAG

Restriction Sites: SgfI-MluI

ACCN: NM_001253884

Insert Size: 3501 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:

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: [NM_001253884.1](#)

RefSeq Size: 5234 bp

RefSeq ORF: 3501 bp

Locus ID: 80216

UniProt ID: [Q96QP1](#)

Cytogenetics: 4q25

Protein Families: Druggable Genome, Protein Kinase

MW: 130 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]
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.