

## Product datasheet for RC216760

### ALKAL1 (NM\_207413) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ALKAL1 (NM\_207413) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ALKAL1  
**Synonyms:** AUGA; AUGB; FAM150A; UNQ9433  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC216760 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGGCCCTTAAGCCCGGCCCTTTGCCCGCACTTCTCTGCTGGCGCTGGCTTTGTCCCGCAGC  
GAGCCACGGGAGGCCCGGGGCGCAGGGGAGCGCGCTCACGGATAAGGAGCCCAAGCCGTTGCTTTT  
CCTCCCGCGGCCGGGCCGGACTCCAGCGGCTCCCGGAGCGCAGAAATATCCCAAGAGACTCT  
AACTTAAAGACAAATTCATAAAGCATTTCACAGGCGCGTACATTTTACCAGAAATGCAGCAAACATT  
TCCACCGACTCTATTACAATACCAGGGAGTGCTCAACGCCAGCTTATTACAAAAGATGTGCTAGATTGTT  
AACAAGATTAGCAGTGAGTCCACTGTGCTCCAGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216760 protein sequence  
Red=Cloning site Green=Tags(s)  
MRPLKPGAPLPALFLLALALSPHGAHGRPRRRGARVTDKEPKLLFLPAAGAGRTPSGRSRAEIFPRDS  
NLKDKFIKHFTGPVTFSPESKHFHRLYYNTRECSTPAYYKRCARLLTRLAVSPLCSQT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6469\\_c12.zip](https://cdn.origene.com/chromatograms/mk6469_c12.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_207413

**ORF Size:** 387 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:**
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\\_207413.4](#)

**RefSeq Size:** 1183 bp

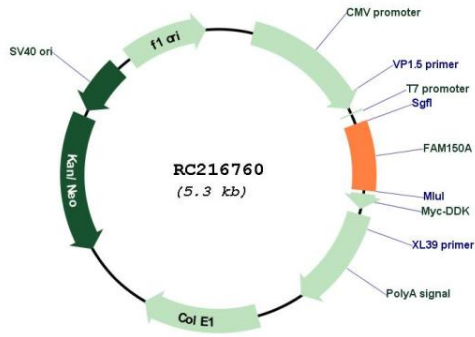
**RefSeq ORF:** 390 bp

**Locus ID:** 389658

**UniProt ID:** [Q6UXT8](#)

**Cytogenetics:** 8q11.23  
**MW:** 14.3 kDa  
**Gene Summary:** Ligand for receptor tyrosine kinase LTK and perhaps receptor tyrosine kinase ALK; activation of ALK is reported conflictingly.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC216760