

Product datasheet for **RR215864**

Alkal1 (NM_001302143) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alkal1 (NM_001302143) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Alkal1
Synonyms: Fam150a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215864 representing NM_001302143
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGCTGGCTAAGCTCAGCACCCGGGTGCTCCTACTGTTGCTGCTGGCTTTGGCTTTGCCCCACCCG
GGACTCAGGGCGGCCCGGGGACGCAGGGCGGCGGTGCTACTGAGCTTTGCCACAGCTTTCTCTCCC
TGTGACAGGGACTCGCCTGGCTCCAGAACCTCCCGGAGCACAGAAATATTTCCAAGAGACCTGACCTTG
AAAGACAAATTCATAAAGCATTTACAGGACCTGTACATTTTCAGCTGAATGCAGCAAACACTTCATC
GACTTTATCACAATACCAGAGATTGCTCGATGCCAGCTTATTATAAAAGATGTGCTAGATTGCTGACGAG
ATTAGCTGTGAGTCCACTGTGCTCCAGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215864 representing NM_001302143
Red=Cloning site Green=Tags(s)

MWLAKLSTRVLLLLLALALSPPGTQGRPRRRAARVTELLPQLFLPVTGTRLAPRTSRSTEIFPRDLTL
KDKFIKHF TGPVTFSAECSKHFHRLYHNTRDCSMPAYYKRCARLLTRLAVSPLCSQT

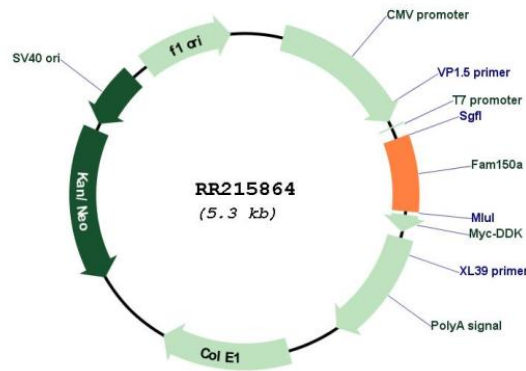
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001302143

ORF Size: 381 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:	<u>NM_001302143.1</u> , <u>NP_001289072.1</u>
RefSeq Size:	569 bp
RefSeq ORF:	384 bp
Locus ID:	100910984
Cytogenetics:	5q12
MW:	14.4 kDa