

Product datasheet for **RR214697**

Alg8 (NM_001034127) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg8 (NM_001034127) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alg8
Synonyms:	MGC124750
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR214697 representing NM_001034127
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGTTTTGGCTTGCAGCCGGTAGTGGCCATTGGTTCTCGGCTTTGGCTCTTGGGGTGACACTCC
 TTAAGTGCCTTCTCATCCCCACCTACCATTCCACAGATTTTGAAGTGCACCGAAATTGGCTTGTATCAC
 TCACAACCTCCCAATATCTCAGTGGTATTATGAGGCAACTTCAGAGTGGACCTTGGATTATCCCCCTTT
 TTTGCATGGTTCGAGTACGCCTTATCACATATTGCCAAATACTTTGATCAAGAGATGCTTGATATCCATA
 ACCTGAACTATTACAGCTCAAGGACACTGCTTTCCAGAGTTTTCTGTCATCTTGACAGATGCGCTCTT
 TGTGTATGCTGTTACAGAGTGTAAATGCATCGACGAAAAAGAACAGGGAAAGACCCACAGAGAAA
 CCGAAGTTTGTCTGTCGGTCTATTGCTGTGAACTTCGGGTGTTAATTGTGGACCACATTCATTTC
 AGTACAATGGCTTGTCTCTGGCTTGTCTGTGTCATTGCCCGTCTGTTTCAGAAGAGGCATATTGA
 AGGGGCATTTCTTTGCTGTCTCCTCCTCATTCAAGCACATCTACCTCTATGTAGCCCCAGCCTATGGT
 ATCTATCTGCTGCGATCTTACTGTTTCACGGCAAGTAAACCAGATGGCTCTGTCCGATGGGACAGCTTCA
 GCATTGTCGAGTTACTGCCCTGGCACTGATCGTTTTCTAGTTTCCGCTCTTTCGCTAGGTCCTTTCT
 AGCCTTGAACAGCTGCCACAAGTCTTCTCCGACTCTTCTCTTCAAGAGGGGCCCTTGGCATGCCTAC
 TGGGCTCCAAACTTCTGGGCCTTGTACAGTGTCTTGGCAAAGCACTGTGTGTAAGTGGTTTGGAACTGA
 AGCTTCTTGATCCCAGCCAGATCCCCAGGGCCTCAATGACAAGTGGTTGGTCCAGCAGTCCCAGCACAC
 TGTCTCCCCTCAGTCTCCCCCTCGGCAACCCTCATCTGCACACTGATAGCCATATTGCCCTCTGTTTT
 TGTCTTTGGTTAAACCCCAAGGGCCCAGAGGCTTTCTCCGATGCTTGGTTCTTTGTGCCTAAGTTCCT
 TCATGTTTGGGTGGCATGTCCATGAAAAAGCCATACTCCTTGGCATTCTCCAATGAGCCTACTGGCTGT
 GGAAAAAGCAGGAGATGCGACAATTTTCTGATTCTGACGACAACCGGACACTATCCCTCTTCCCTCTG
 CTCTTCACTGCACCAGAACTCCCCATTAATCTTGTCTCATGTCCTGTTCACTGTGTACAGTATCTCT
 CGCTGAGGACGCTGTTGAGAAAAGAAAACCTCTTTTAAATTGGATGGAACTCTGTACCTCCTTGGCCT
 GGGGCTCTGGAAGTCTGCTGTGAGTTTCTATTCCCTTTTACCTCGTGGAAAGCTGAAGTACCCCTTCATC
 CCTTGTGCTGACCTCGGTGTACTGTGCAGTGGGCATCACGTACGCCTGGATCAGGCTGTATGCTTCAG
 TGTTGACTGGCTGCTTGTGACGACAAGACAAGAAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214697 representing NM_001034127
 Red=Cloning site Green=Tags(s)

MAAFGLAAGSGHWSALALGVTLKCLLIPTYHSTDFEVHRNWLAIITHNLPISQWYYEATSEWTLDYPPF
 FAWFEYALSHIAKYFDQEMLDIHNLYSSRLLFQRFVILTDALFVYAVHECCKIDGKRTGKDPTEK
 PKFVLSVLLWNFGLLIVDHIHFQYNGLLSGLLLL SIARLFQKRHIEGAFLLAVLLHFHXYLYVAPAYG
 IYLLRSYCF TASKPDGSRWDSFSIVRVTAALIVFLVSALSLGPFLALNQLPQVFSRLLPFKRGKCHAY
 WAPNFWALYSALDKALCVTGLELKLDPQIPRASMTSGLVQQSQHTVLPSPSATLICTLIAILPSVF
 CLWFKPQPRGFLRCLVLCALSSFMGWHVHEKAILLA ILPMSLLAVEKAGDATIFLILTTTGHYSLFPL
 LFTAPELPKILLMSLFTVYSISLRTLFRKEKPLFNWMETLYLLGLPLEVCCEFLFPFTSWKLYPFI
 PLLLTSVYCAVGITYAWIRLYASVLTGCLVSKTKKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001034127

ORF Size: 1578 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_001034127.1](#), [NP_001029299.1](#)

RefSeq Size: 2013 bp

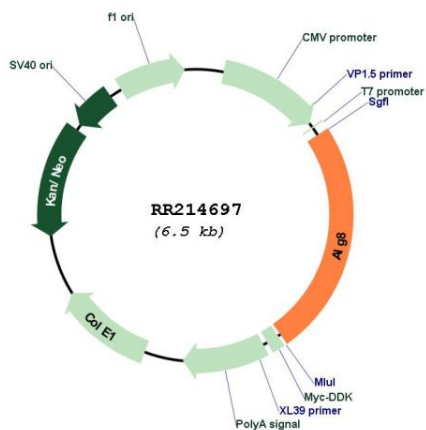
RefSeq ORF: 1581 bp

Locus ID: 293129

Cytogenetics: 1q32

MW: 59.7 kDa

Product images:



Circular map for RR214697