

Product datasheet for **RN213498**

Alg10 (NM_139101) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg10 (NM_139101) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alg10
Synonyms:	Alg10b; KCR1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213498 representing NM_139101
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGCTGGAGGGTTACTTCTCGGCCGCTTGAGCTGCACCTCCTGGTGTCTGCCTGTCTCT
 TCTCCGCCTTCAGCCGCGCTCTGCGTGAGCCTTACATGGACGAGATCTCCACCTGCCGACGGCGCAGCG
 CTA CTGCGAGGGCCGCTTCTCACTGTACAGTGGGATCCTATGATTACTACATTACCTGGCCTGTACCTG
 GTGTGGTTCGGAGTGGTCAAACCTGCCAGCTGGATCCTTGGCTGGTCTGAGCATGTCGTCTGCTCCATCG
 GAATGCTCAGATTTGTCAATCTTCTCTTCACTGTTGGCAACTTCTATTTGCTGTATTTGCTCTTCAGGAA
 GATACAGCCAGAAACAAGGCTTCTTCAAGTATCCAGAGAATCTTGTCAACATTAACCCTAGCAGTATTT
 CCAACCCTCTATTTTTTAACTTCTTTACTATACAGAAGCCGGCTCTGTATTCTTTACTCTTTTGCTT
 ATTTGATGTGCTTTACGGCAACCATAGGACTTCGGCCTTGCTTGGGTTTTGGGCTTCATGTTTCGTCA
 GACCAATATCATCTGGGCTGCCTTCTGTGCAGGACACATCATTGCACAGAAGTGCAGTGAAGCCTGGAAG
 ACTGAACTACAGAAGAAGAAGGAAGAGAGGCTTCCCCCGCTAAAGGACCCTCTCGGAACTCAGAAGAG
 TTCTTCAGTTTCTGCTGATGTACTCCATGTCCCTTAAGAACCTGAGTATGCTTTTCTTTTGACCTGGCC
 CTACATGCTTCTGCTGTTGGCATTCTTCTGTTTTGTGGTGGTAAATGGTGGGATTGTCGTGGGTGATCGG
 AGTAGTCATGAGGCTGCCTCCATTTTCTCAGTTGTTCTACTTCTTCTCTTTACTGCCTTTTTTCTCT
 TTCTCACCTACTTTCTCCGACCAAAAGTCAAGACTTTTCTTAGCTTAGTTTGGAAACGTAGAGTTCAAGT
 CTCTGTGATTACTTTAGTCTCGGATTTTTGGTTTGGAAATCACTTACGTCCATAAGTATTTACTGGCA
 GACAATAGGCATTACACGTTTTATGTGTGAAAAGAGTATTTAGAGACATGAAATTTCAAGTATTTAT
 TAGTTCAGCCTACATGTTTGTGGTGGGCTGTAGCTGACTTTTAAATCAAAGTCAATTTTCTGGAA
 TTTAATGTTTTTGTATGCTTGGTTGCTTCTACGGTTCCCTCAGAACTACTAGAATTCGGTACTTCATT
 TTACCATACATTATTTATAGGCTCAACATGCCTCTGCCACCCATATCTAGACTTGTTTGGAAGTGGGT
 GCTATGCAGTTGTCAATTTCTAACTTTTTACATCTTTCTGAACAAGACTTTTTCAGTGGTTCGGATAGTCA
 TGACATCCAAAGGTTTATGTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_139101

Insert Size: 1425 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_139101.2](#), [NP_620801.1](#)
RefSeq Size: 2370 bp
RefSeq ORF: 1425 bp
Locus ID: 245960
UniProt ID: [O88788](#)
Cytogenetics: 7q35
Gene Summary: regulatory component of non-inactivating K⁺ channels [RGD, Feb 2006]