

Product datasheet for **RN208787**

A1cf (NM_133400) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A1cf (NM_133400) Rat Untagged Clone
Tag:	Tag Free
Symbol:	A1cf
Synonyms:	A1cft; Acf; Apobec-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208787 representing NM_133400
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAATCAAATCACAATCCGGGGATGGATTGAGCGGCACCCAGAAGGAAGCAGCACTCCGCGCACTGG
 TCCAGCGCACAGGATATAGCTTGGTCCAGGAAAATGGACAAAGAAAATATGGTGGTCTCCACCAGGCTG
 GGATACTACACCCCCAGAAAGGGCTGCGAGATTTTCATTGGGAAACTTCCCGGGACCTTTTTGAGGAT
 GAACTCATACCATTGTGTGAAAAAATTGGTAAAATTTATGAAATGAGAATGATGATGGATTTCAATGGGA
 ACAACAGAGGCTATGCATTTGTAACTTCTCAAATAAGCAGGAAGCCAAGAATGCAATCAAGCAACTTAA
 TAATTATGAAATTCGGAATGGCCGTCTCCTGGCGTCTGTGCCAGTGTGGACAACGCCGGTTGTTGTG
 GGGGGAATCCCCAAAACCAAAAAGAGAGAAGAAATCTTGTGAGAGATGAAAAGGTCAGTGAAGGAGTTG
 TTGATGTCATTGTCTACCAAGCGCTGCCGATAAAAACCAAAACCGGGGTTTGCCTTTGTGGAATATGA
 GAGTCACCGCGCAGCCGCTAGGCTAGGCGGAGGCTGCTGCCAGGAAGAATTCAGTTGTGGGACATCCT
 ATCGCAGTAGACTGGGCAGAGCCAGAAGTCAAGTTGACGAAGACACAATGTCTTCCGTGAAAATCCTGT
 ACGTAAGGAACCTTATGCTGTCTACCTCGAAGAGATGATTGAGAAGGAATTAACAGTATTAACCAGG
 TGCTGTGGAACGGGTGAAGAAGATCCGAGACTATGCTTTTGTGCATTTTCAGTAACCGAGAAGATGCAGTT
 GAAGCCATGAAGGCTTTGAATGGCAAGGTGCTGGATGGTCCCAATAGAAGTGACCTTGGCCAAGCCAG
 TGGACAAGGACAGTTACGTTAGGTACACCCGGGGCACCAGGGGCAAGAACACCATGCTGCAAGAATACAC
 CTACCTCTGAGCCATGTTTATGACCCTACCACAACCTACCTGGAGCTCCTGTCTTCTATACTCCCCAA
 GCCTACGCAGCCATTCCAAGTCTTCAATTTCCAGCTACCAAGGACATCTCAGCAACAGAGCTCTCATCC
 GGACCCCTTCTGTGAGAGGGGCTGCGGGGCTGAGAGGACTGGGCGCCGTGGGTATTTGGCATATACAGG
 CCTGGGTCGAGGATACCAGGTCAAAGGAGACAAGAGACAAGACAACCTCTATGACCTTCTGCCTGGGATG
 GAGCTCACCCGATGAATACTATCTCTTTAAAACCAAGGAGTTAACTTGCTCCTCAGATATTAGAAG
 AAATCTGTGAGAAAATAACTGGGGACAGCCAGTGTACCAGTGCAGTCTGCCATTGGACAAGACCAAAAG
 ACAGTTATTCTATACAAAGTAACTATCCAGCGCTGGCCAGCCAGAATCCTGCGATCCACCCTTTCACA
 CCCCCAAGCTAAGCGCCTACGTGGATGAAGCAAAGAGGTACGCCGAGAGCACACCCTACAGACTAG
 GCATCCCCACAGAAGGAGGGGACGCTGGGACTACAGCACCCACTGCCACATCCGCCACTGTGTTCCAGG
 ATACGCTGTCCCAGTGCACCCTCCTGTGTCTACAGCCAGCTCAAGCAAGCAGTGACACTTGGACAA
 GACTTAGCAGCATATAACCTATGAGGTCTACCTACTTTTGCAGTGACCACCCGAGGTGATGGATATG
 GCACCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133400

Insert Size: 1761 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_133400.1](#), [NP_596891.1](#)

RefSeq Size: 1863 bp

RefSeq ORF: 1761 bp

Locus ID: 170912

UniProt ID: [Q923K9](#)

Cytogenetics: 1q52

Gene Summary: complementation factor that binds to RNA in a heterochromatin-associated protein complex that edits cytidine to uridine [RGD, Feb 2006]