

Product datasheet for **RN212787**

Fam214a (NM_001106838) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam214a (NM_001106838) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fam214a
Synonyms:	RGD1310552
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212787 representing NM_001106838 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**
GCCC

ATGAAGCCAGACCGAGATGCCTTGGATGAGTATTTGAATATGATGCAGAGGAGTTCTTGGTCTCTTTGG
CCTTGCTGATAACTGAAGGCCGAACCCCTGAGTGTTCCGTGAAAGGCCGTGCAGAGAGTTCCACTGCCC
TCCAGCGCAGTCTCGTTTCCAGGCGCAGCCAGACATGAGTGCAGCGACAAGCTGGCCAGTGTCGCCAA
GCCAGACGAACAGATCTGAGGTCACGCTGTTGTGAAAAATAATCTTCCAATCATGGTAGAAGTGATGC
TTCTGCCAGATTGCTGCTACAGTGACGAGGGCCCTAGCACAGAGGGGACAGATCTGAATGACCCTGCCAT
TAAACAAGATGCACTGTTACTGGAGAGGTGGATCTTGGAGCCAGTTCCCCGACAGAATGGCGATCGCTTC
ATCGAAGAGAAGGCACCTCTGCTGGCTGTGAGATCATTCTGTTTTTTCTCAGTTAAGTGCTTGGCTGA
GTGTTTCTCATGGTGCTATTCCACGAAACATTCTTTACAGAATCAGTGCTGCTGATGTCGACCTGCAGTG
GAGTTTTTACAGACTCCAACCTGAGCATGTGTTTCCCGTTCCCAATGTCTCTCACAACGTGGCCTTGAAA
GTCAGCGTTTCAGTCCTTACCCAGACAAGCTCATTATCCAGTTTGGACCTGTAGTATCCATACTAATATTG
GTCTGTATGAGAAGAGAATTGAGAACAGGAGCTTCGAGCCTGTGAGCACCCTGGCCCTGGTGAAGTGGA
GTACCGTTGTCCCAGCAGCTCTCAGAGTCTGTGACGCAAGCACACATGGACCATGGCACCTGTGAGTGCC
CTGCATGTCAGAAGTGCCATGCCCTCCTGAGTACACTGCAGCCATTAGAAATGTCAGGCTCTGCCAGGCA
CAGGTAGCAAGTCTGACAATGGAACACCTCAAGCCAGCGTCCCTGGGCTTCAGTGGCACTGGAGAAGTGAG
GTCCCAGGAGGCATCAGTGAGAACTTTCAAATCACTCTCTGTGATCGATTCCAGTGCTCCAGCTGTGAG
AGCTCCCGGCAGCCAGTAGGGGAGCCTAACCTTTAATCGACTCCCTGATTGAGGATCGACAAGAAGTCA
TTGCCAGGATTGCTCAGCACTTGATTCACTGTGACCCAGCTCCTCTCGCATGTCTGAACTCCCTTTAA
CACCCAGAGTCCACTTCACTTAGCCAAAGCTTACCCAGTTTACAGGAGAGTGGGTATTCGAGAAGA
TGCAAAGAAGCATTCTGTCTCTTTTGGGAGTCCAGAGTTTGGCTCCCCAGGAGACAGCAAGGAGGGGA
AAGTGAAAGAGAAGCTGGAACACAGGCAAGGAGAAACCTGTGCCTCTCACAGTCCCTACCTCGGCAGCC
TGCTGGGAGGCAAAACCACTGATTGGCTCTTGTCTTCTGGAGCGGCAGGATGTCATAGCCAGGATCGCA



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CAGCACTTGGAGCACATCGACCCACAGCTCACATTCCCCGGCCTGCGTTGAGCAAGCACGACTCCAATT
 CCATTCCTTCTAAAGTGTTGAGGAGTTCATTTTCATGACAAAACCATGTTGAAGAAGGACAGAGAGAATGT
 CTCTGTTTCTGCTACTCATACAGAAGTGTCTTATTGGGAGACAGAGGTGATGGGAAAAGCCCCAAACCT
 AGTAAATGTTTCCGATCTTTCAAAAACAGTCTCAAGAAAAGTCTCTGAAACCTGAAGAAAGCGCTCAGC
 ATCAGAACCATCTGATGACATCACCCACAGCCAGGAGGAGTTGCTGAACAAGGCTGCTGGCTTACT
 CACTTCTCTAACTCGTCCCTCTGCAATGAAAGCAGCTTGGCTTTGATTGGCAGATTGAAAAGTACATCT
 TGTAATTACAACCTTAGGAAGCAAGAAATGAGCCATGAACTGAGAAACAGTGTTCATTGCAACAGTA
 TTGACAAACAGATTTGCACAAATAAATGCACAGAGAAAAATAAAGATGAGAATAGCCCGGGCTCTCTCAG
 TCATCTCCAGTGATGAGTCAAGAGGTATTGACCCAAAAATAAAGTGAATGTTGGAATGCCTGAC
 TATTTGAACAAGTACAAAATAATTGTTCAAATAAAGACTCCAAAAGATCAAAGACATGTGAGCAAAACA
 TTCAGCTTGGCAGAGAAAATTATCTCAGTGAAGATACTGAGGGTTCCAAAAGCACAATATCAGACCAACT
 AAAAAGTGAAGCAGGAGGAAAACAAAGATTGAGTTCGCGGAAAACCTCAAGTGTAAAGCACTGTCTGTCT
 ACAAGCGAAAGACTGAAAAATGCAGACATGTTGAGGACTACACTGAAGCATTCAAGTGTCTGGAGGAAAC
 ACGATTTTCATTCCCTGGATGGGACATCAACCAGAGCCTTTCATCCTCAGACAGGGCTGCCTCTCCTCTC
 AAGCCAGTTCCTCAAAGAAAAACACAGTCAGGTTGCTTTGATCTAGACACGTCCTACTGCATCTGAGA
 AGTCTATCTCCAAAAGCTCTCGACCGTGTCTGAACATTGAAGCGGACCCAGGTGTTGATGAAAAGCCTT
 TTTTGAGTTCAAGTGCTCCACCAATCACAAGTCTTAGTCTCCTAGGGAATTTTGAGGAATCGGTTCTGAA
 TTACCGTTTAGACCCCTCGGCATAGTTGATGGCTTCACTGCTGAGGTGGGAGCCAGTGGGACTTTCTGC
 CCTACGCACTTGACTCTGCCGTGGAAGTGTGCTTCTACAGTGTTCGGATGATAACGCTCCCTCGCCTT
 ATATGGGTGTGATTACTTTAGAGTCCCTTGGTAAAAGGGGTTATCGAGTACCTCCTTCAGGAACGATACA
 AGTGACCTTATCAATCCCAATAAGACTGTGGTGAAGATGTTTGTGTCGTGTATGACCTACGAAGTATG
 CCAGCCAATCACCAGACATTCTGCGGCAGAGGACGTTTCTGTTCTGTAAACAAGAAATGAAGAGAA
 GTATTAACAAAGAGAATGTCCAGCACACGGCACAGTACTACGCTACCTCATAACCTGAGGTCCAGAG
 CTCTAAATCTGGGAAGATCTACCTCCATAGAGATGTCGGCTCCTGTTCTCTAGAAAGTCCATGGAGGTT
 GATAGCGGTGCTGCTTATGAACTCAAGTCTTACACCGAATCGCCAACAAACCCACAGTTTTCACCAAGAT
 GCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_001106838

Insert Size: 3225 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_001106838.1, NP_001100308.1

RefSeq Size:	4329 bp
RefSeq ORF:	3225 bp
Locus ID:	300836
Cytogenetics:	8q24