

Product datasheet for **RN210714**

Rag1 (NM_053468) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rag1 (NM_053468) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rag1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210714 representing NM_053468 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTCCCCTTGCCATCTACCCTGAGACTCAGTTCTGCACCTGATGAAATTCAGCACCCGCACATCA
AATTTTCCGAGTGAAAATTAAGCTGTTTAGGGTGAGATCCTTTGAAAAGGCACCCGAAGAAGCACAAAA
AGAGAAGGATTCCTCAGAAGGAAACCTTGTCTCGAGCAGTCTCCAGTAGTTCTAGATAAGCCTGGGGGT
CAGAAATTCAGTTCTGACTCAACGAGCATTGAAACTCCATCCTAAATTTTCAAAGAAATTCATGTTGATG
GGAAGTCAAGCGACAAAGCAATTCACCAAGCCAGGCTTAGACACTTCTGCCGCATCTGTGCAATCACTT
CAAGAGTGACGGGCACAACCGGAGATACCCAGTCCACGGGCCCGTGGACGCTAAAACCTCAAAGCCTTTTC
CGAAAGAAGGAAAAAGAGTCACGTCTGGCCAGATCTCATTGCCAGAGTTTTCCGGATTGATGTGAAGT
CAGATGTTGACTCCATCCACCCACTGAATTCTGCCATAACTGTTGGAGCATTATGCACAGGAAGTTCGG
CAGTGCTCACAGTCAGGCTACTGCCAAGGAATGTGACCGTGGAGTGGACCCCCACACCCGTCCTGT
GACATCTGCTTTACTGCCATCGGGACTGAAGAGGAAGAGACATCAGCCCAACGTCAGCTCAGCAAGA
AACTAAAACCTGTGCTCAACCATGCTAGACGGGACCGTCGCAAGAGAAGTCAAGGCTAGGGTCAGCAGCAA
GGAGGTCATGAAGAAGATCTCCAACCTGCAGTAAGATTCATCTCAGTACCAAGCTTCTTGAGTAGACTTC
CCAGCACACTTTGTGAAATCCATCTCCTGCCAGATATGTGAACACATTCTGGCCGATCCGGTGGAGACCA
CCTGTAAGCACCTGTTCTGTAGAATATGCATTCTCCGGTGCCTCAAGGTCATGGGCAGCTATTGTCCCTC
GTGCCGATATCCATGCTTCCCTACTGACCTGCAGAGTCCGGTCAAGTCTTTCTGAGCATCTTGAATTCT
CTGATGGTGAAGTGTCTGCCAAGAGTGCAATGAGGAAGTAAGTCTGGAAAAATATAACCACCATGTCT
CAAGCCACAAAGAATCTAAAGAGACTTTGGTGCATATTAATAAAGGGGGCCGGCTCGCCAGCATCTCT
GTCAGTACCGGAAGGGCTCAGAAACATCGGCTGAGGGAGCTCAAGATTCAGTCAAAGAATTTGCAGAC
AAAGAAGAAGGTGGAGATGTGAAGTCTGTGTGCTTGACGTTGTTCTGCTGGCACTGAGGGAAGGAATG
AGCACAGACAAGCTGATGAGCTCGAGGCCATCATGCAAGGCCGGGGCTCCGGTCTTCAACCAAGCTGTTG
CTTGCCATCCGTGTCAATACCTTCTCAGCTGTAGCCAATACCAATAAGATGTACAGGACCGTGAAGCT
ATCACTGGGAGGCAGATTTTCAACCTTGCACGCTCTTCCGAATGCTGAGAAGTCTCTACCAGGCT
ACCACCCCTTTGAGTGGCAGCCCTCTGAAGAAGTGTCTCCAGAAGTACGTTGGAATTATTGATGG
GCTCTCTGGACTTGCTCTCCGTAGATGAATACCCAGTGGACACAATTGCAAAGAGTTCCGCTATGAC



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TCTGCTTTGGTGTCTGCTTTGATGGACATGGAGGAAGACATCTTGGACGGCATGAGATCCCAAGATCTTG
 ATGACTACGTGAGTGGTCCCTTACCCTGGTAAAGGAATCGTGTGATGGAATGGGGGATGTGAGTGA
 GAAGCACGGGAGTGGGCCCGAGTTCAGAAAAAGGCAGTTCGGTTCTCTTCCACCGTCATGAGAGTTACA
 GTAGAGCATGGCTCTCAGAACGTGAAGATATTTGAGGAACCCAAGCCCAATTCTGAACTGTGTTGCAAGC
 CACTGTGCCTTATGCTGGCAGATGAGTCTGACCACGAGACACTTACTGCTATTCTCAGCCCCCTCATCGC
 TGAGAGGGAGGCCATGAAGAGCAGTGAATTGCTGCTGGAGATGGGAGGCATCCCCAGGACTTTTAAATTT
 ATCTTCAGGGGCACTGGATATGACGAGAAACTTGTGAGGAAGTGAAGGCTTGGAAAGCTTCTGGCTCAG
 TCTACATTTGTACACTTTGTGATGCCACCGTCTGGAAGCCTCCAAAAATCTTGTCTTCCACTCCATAAC
 CAGAAGCCACGCCGAGAATCTGCAGCGCTATGAGGTCTGGCGGTCCAATCCCTATCACGAGTCAGTGAA
 GAACTCCGGGACCGGGTAAAGGAGTCTCTGCCAACTTTCATCGAGACAGTCCCTTCCATAGATGCGC
 TTCCTGTGACATTGAAATGCAGCTGAATTCTATAAGATTTTCCAGCTGGAGATAGGGGAAAGTGTATAA
 AAATCCCAATGCCTCTAAAGAGGAAAGGAGAGATGGCAGGCCACCTTGGACAAACATCTGCGGAAAAGG
 ATGAACTAAAACCAATCATGAGGATGAATGGCAACTTTCGCCGGAAGCTTATGACCCAAGAGACTGTGG
 ACGCAGTTTGTGAGTTAATTCCTTCTGAGGAGAGGCACGAAGCTCTCAGGGAGCTGATGGACCTTACCT
 GAAGATGAAACCGGTGTGGCGCTCATCGTGCCTGCTAAAGAGTCCCGGAGTCCCTTTGTCAGTACAGT
 TTCAACTCACAGGTTTTGCTGAGCTCCTCTCCACCAAGTTCAAATACAGATACGAGGGCAAAATACCA
 ATTAATTTACAAAACCTTGGCACACGTCCTGAAATTATTGAAAGGGATGGCTCTATTGGGGCATGGGC
 AAGTGAGGGCAATGAGTCTGGTAACAACTGTTTAGGCGCTTCCGGAAAAATGAATGCCAGGCAGTCCAAG
 TGCTATGAGATGGAAGATGTCCTGAAACACCACTGGCTGTATACTTCAAATACCTCCAGAAGTTTATGA
 ATGCCATAATGCATTA AAAA AACTCTGGGTTTACCATGAACTCAAAGGAGACTTTAGGGGACTCTTTGGA
 CATTGAGGACTCTCTGAAAAGCCAAGATTCAATGGAGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_053468
- Insert Size:** 3123 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_053468.1](#), [NP_445920.1](#)
- RefSeq Size:** 6537 bp
- RefSeq ORF:** 3123 bp
- Locus ID:** 84600

Cytogenetics: 3q31

Gene Summary: expressed in intestinal intraepithelial T lymphocytes [RGD, Feb 2006]