

Product datasheet for **RN216853**

Rag2 (NM_001100528) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rag2 (NM_001100528) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rag2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216853 representing NM_001100528
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGCAGATGGTTACAGTGGGCATAACATAGCCTTAATCAACCAGGCTTCTCACTGATGAATT
 TTGATGGTCAAGTTTTTTCTTTGGCCAAAAGGCTGGCCTAAGAGATCCTGCCCTACTGGAGTCTTTCA
 TTTTGATATAAAACAAAATCATCTCAAACCTGAAGCCTGCAGTTTTCTCTAAAGATTCTCTGCTACCTCCCA
 CCTCTTCGTTACCCAGCTACTTGCTCGTACAAAGGCAGCACAGACTCTGACAAGCATCAATATATCATCC
 ACGGAGGGAAAACGCCAAAACAATGAGCTTTCCGATAAGATTTATATCATGTCTGTGCTGCAAGAATAA
 CAAAAAGTTACTTTCCGTTGTACAGAGAAAGACTTAGTAGGAGATGTCCCTGAAGCCAGATATGGCCAT
 TCCATTGACGTGGTATATAGCCGAGGAAAAGTGTGGTGTCTCTTTGGAGGACGGTCATACATGCCTT
 CTACCCAAAGAACCACAGAAAAATGGAATAGTGTAGCTGATTGCCTACCCATGTTTTCTGGTAGATTT
 TGAATTTGGGTGTCAACGTCATATATTCTCCAGAATTCAGGACGGGTGCTTTTCATGTTTCTATT
 GCCAGAAATGATACCATTATATTTTGGGAGGACTCACTTGCCAGTAACATACGTCTGCTAACTTGT
 ATAGAATAAGAGTAGATCTTCCCCTGGGTACCCAGCAGTGAATTGCACTGTCTTGCCAGGAGGAATCTC
 TGTCTCCAGTGAATTGTCACTCAAACAATAATGATGAATTTGTTATTGTTGGTGGTTATCAGCTGGAA
 AATCAAAAAGGATGGTGTGTAGCATTGTCTCTAGGGGACAACAGGATTGAAATTAGTGAGATGGAGA
 CCCAGACTGGACCCAGATATTAAGCATAGCAAAATATGGTTTGGGAAGCAACATGGGAAACGGGACTGT
 TTTCTTGGCATAACCAGGAGACAACAAGCAGGCTATGTCAGAAGCATTCTATTTCTATATGTTGAGATGC
 TCTGAAGATAATTCGAGTGAGGAGCAGAAAATTTGCTCAAACAGTCAGACATCACTGAAGATGCCGGG
 ACTCCACTCCCTTTGAAGACTCGGAAGAATTTTGTTCAGTGTGAAGCAATCAGCTTTGATGGTATGA
 TGAATTTGACACTTACAATGAAGATGATGAAGATGATGAATCTGTAACCGGCTACTGGATAACGTGTTCC
 CCTACTTGTGATGTGGACATCAATACTTGGGTTCCATTCTATTCAACTGAGCTCAATAAACCCGCCATGA
 TCTATTGTTCTCATGGGGATGGACTGGGTGCATGCCAGTGCATGGATCTGGAAGAACGCACACTCAT
 CCCTTGTGAGAAGGAAGCAACAATACTACTGCAATGAGCATGTGCGGATAGCAAGAGCATTACAACT
 CCCAAAAGAACTCCCTTACAAAAGCCCAATGAAATCCCTCCAAAAAAGGCTCCGGGAAAGTCT
 TGACTCTGCCAAGAAATCCTTTCTTAGGAGGTTGTTGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001100528
- Insert Size:** 1584 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001100528.1](#), [NP_001093998.1](#)

RefSeq Size: 3552 bp

RefSeq ORF: 1584 bp

Locus ID: 295953

Cytogenetics: 3q31