

Product datasheet for **MC221614**

Rint1 (NM_177323) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rint1 (NM_177323) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rint1
Synonyms:	1500019C06Rik; 2810450M21Rik; Rint-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221614 representing NM_177323
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGGCGCTGACGATATCGGCGAAGTGCCGGCAGCCCGTGTGCCCGAGAGTGGTGACGAAACGA
 AGAACACAGACGTGAAAAGTGACGTGAACACTGCAGCTCCTGCTGGAAGCGAGCAGCTCAGCCAAGGTGG
 CAGTGACGACGCCTCCTTTCTATGTGTCTGCATTATAGAGAAGGAAGTGGGAAGTGACCTTAAGTCT
 TTGAAGACACTTGGTAAACTCATAGAACAATGACAGAAAGCAAAGTGAAGTTAGAAGAACAGTACTTA
 CAATTTTCATCAGAAATCCCTAAAAGAAATCAAAGTGCTTTAAAAGATGCAGAGGAATCCAAACAATTCT
 TGATGAGTTTCTGGAGCAGGAAGCGCTCTCTCAGCTCCATTAGCAGCCATCTGCTGATGGCTCAGCCC
 TGGATGGATGACCTTGGAGCCATGATCACCCAGATGGAAGAGATTGAGCGGCATCTGCATACCTTAAGT
 GGGTGTCCGACACTGAGGAGCTGAGTGATAACATTCAGCAGTACCTGATGACCAACAGTGTCCAGAGGC
 AGCCTCTCTCCTGGTGACCATGACAGAAGTGGACATCCAGCTTCAGGAGTCATCTGTACTCATCTTCTT
 AGTTTCATGAGAGCCACAGTTAAATTCGGCATAAAATTCCTCAAGGACAAGCTTACCAGTGATTTTGAGG
 AAGTCTTGGCACAGCTGCATTGGCCATTACCTCACATACCCAGTCGCAAACCGTTGGCGGGAGCCGGCC
 TGCCGGTACCCCGGAGCTGTACAGTAGCCTGGACACACTGTTTTGTGAGCTGTTGAAACTACAGGCCCTCA
 GATGAGTTATAACTGAGCCAAAACAACCTCCAGAAAAAATACTGTCTTCTGCCTCCCCTCCCCTGACCC
 TGCCCATACAGGTCATGCTGGCTCCCCTGCAGAAGAGATTCAGGTACCACTTCAGAGGCAGCCGGCAGAC
 CAACGTCATGAGCAAGCCTGAATGGTACTTGGCTCAGGTAATGATGGATTGGAACCATACACAGTTT
 CTGGATGAGAAGATTAGCCAATATTGGACAAAGTGGGCTCTGCAGTAAATGCAAGGCTTGAGTTTTCCC
 TTGGCCTTGATGCTCATTCTTGAGAAGCTGGCTTCTGATATCCCCTGCCTGCTACGATGACAGCT
 CTCTGTACCTGGTGGATGAGGTGCTGCTGTTTTGAAAGGGAGCTGCACACCGTTACAGGCTATCCAGC
 ACATTCGCCAGCTGCATGCACATCCTGTGCGAGGAGACCTGTTTCCAGAGATGGCTGACTGTGGAGAGAA
 AGTTTGTCTTCAAAAAATGGACTCAATGCTTTCGTGAGAGGCTGCCTGGGTATCCAGTATAAAGACAT
 CTCTGATGTGGATGAAATGAAGTTCCAGACTGTGCGGAAGTCTTATGACCCTGCTTTTGGTTATAACT
 GACAGGTATAAAAAATCTCCACAGCCTCCCGAAAAGTGCAGTTCCTGGAGCTACAGAAGGACCTGGTAG
 ATGATTTCCAGGATCCGGTTAACGCAGGTGATGAAGGAGGAGACGAGAGCGGCCCTGGGCTTTCGGTACTG
 TCGGATTTCTCAATGCCGTGAACATATCTCAGCAGTGCTGGCAGACTGGGCTGACAATGTTTTCTTCTG
 CAGCTGCAACAGGCAGCACTGGAGGTCTTGCAGAGAATAACGTCCTCAGTAACTGCAGCTGGGACAGC
 TGGCCTCCATGGAGAGCTCGGTCTTCGATGACATGATCAACCTCTTAGAGCGTTTGAAGCTTGATATGTT
 GACCCGCCAAGTAGACCATGTTTTAGAGAAGTAAAAGACTCTGCAAAGTTGTATAAGAAAGAAAGATGG
 TTGTCCCTGCCGTCTCAGTCGGAACAGGCAGTGATGTCGCTGTCCAGCTCAGCCTGCCCGCTCCTGCTGA
 CCTACGGGACCGTCTGCTCCAGCTGGAGCAGCAGCTGTGTTTCTCGCTATTCAGAATCTTCTGGCAAA
 TACTGGCAGAGAAGCTGGACCTGTACATCTACCAGGAAATAATCCTTGCTAACCCTTCAACGAAGGAGGA
 GCAGCCCAGCTGCAGTTTGATATGACAAGGAACCTCTTCTTCTGTTTCTCACTATTGCAAGAGACCAG
 AAAACTATTTTAAACATGTAAGAAGCCTGCATCATTCTGAATTTGAACATCGGTTCTGCATTACTGCT
 GAAAGATGCTCTGCAGTCAGTGTCGAGCACATTCCTGCCACAGCAGCCTTAAATGAAGTTGGGGTTTAC
 AAACCTGGCTCAACAAGACGTTGAAATTCGCTTAATTTGAGAACAATTTGGCCTAACACTGAAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177323
Insert Size: 2379 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:	<ol style="list-style-type: none">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_177323.4 , NP_796297.2
RefSeq Size:	3344 bp
RefSeq ORF:	2379 bp
Locus ID:	72772
UniProt ID:	Q8BZ36
Cytogenetics:	5 A3
Gene Summary:	Involved in regulation of membrane traffic between the Golgi and the endoplasmic reticulum; the function is proposed to depend on its association in the NRZ complex which is believed to play a role in SNARE assembly at the ER. May play a role in cell cycle checkpoint control. Essential for telomere length control (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).