

Product datasheet for MC211789

Rnft1 (NM_029788) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnft1 (NM_029788) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnft1
Synonyms: 0610013E23Rik; AV007605
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211789 representing NM_029788
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAAGCCAGCTGTAACCAACTGCATGATCCTCCGGCACTGCACATGAAGATGCTGCAGCCTCCCGT
 GTGGTCATTCAAGATCAACAGAAGTTCCCTTCACCCTGGGGATGTACATATCCAATAAACTCCGGACC
 AAAAGAATATTCTGAAAATCCAAGCTCTAGAAATCCCAGGTCAGGCGTCTGTACTTGTGCCATGGATGT
 GTGCATGGTCGTTCCGGAGTTACTCCACAGTGAAGCAAGACCCTGATGACTTTGCTACAGAGTCTG
 GGAACATGGAAGTGGCTCCTTCTCAGAATTCCGCTATCTCTTCAAGTGGTTGCAAAAAAGTCTTCTTA
 TATTTAATTCTGGGTATTAACCTGTTATGCAGCATATAACAGGAATTTCTCTTGGAAATGGGCTGCTA
 ACAACTTTTATGTATGCAACAAAAGCATTGTAATCAGGTTTTTCTAAGAGAACGGTCATCAAAGCTCC
 GCTGTGCTTGGTTACTGGTGTCTCCTGGCAGGTTCCCTCCGCTCTTATATTACACTTTTCATTCTCAGTC
 ACTTCATTACAGCTTAATTTCTTAAATCCTACACTCGAACAGTTGAGCTTCTGGGAAGTCTTTGGATT
 GTTGGAAATACAGACTTCATTCTGAAATCTTTTTCATGGGTTTAAATGCCTGATTTTATTGGTGCCTT
 CTTTCATCATGCCTTTTAAATCAAAGGGATATTGGTACATGCTTTTAGAAGAATTTGTGTCAGTATTACCG
 AATTTTTGTCTATACAGTTTGGTTTCGGTACCTTATAAGCTACGGGGAGTTTGGTAATGTAACACTACA
 TGGAGTCTGGGATATTGCTGGCTTTACTCTACCTCATACTAAAACCTTTTGGACTTTTTTGGACACTTGA
 GAACTTTCAGACAGGCTTACGAGTATTTTTTACACGACCGAGTTATGGAGTGCCTGCCAGCAAGAGACA
 GTGTTCAAGATATGGATGGTATTTGTACAATATGTCAAGCGGAATTTAGAAAGCCAGTTCTTCTTTTGT
 CAGCATATATTCTGTGAAGAATGTATCACCTTATGGTTTAAACAGAGAGAAAACATGTCCACTGTGCAGAA
 CTGTGATTTAGAAATGTATAACAAATGAAAGATGGGGCCACTTCATCTCACCTCCAGATGTAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_029788
Insert Size:	1188 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:	<u>NM_029788.5</u> , <u>NP_084064.1</u>
RefSeq Size:	4434 bp
RefSeq ORF:	1188 bp
Locus ID:	76892
UniProt ID:	<u>Q9DCN7</u>
Cytogenetics:	11 C
Gene Summary:	E3 ubiquitin-protein ligase that acts in the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway, which targets misfolded proteins that accumulate in the endoplasmic reticulum (ER) for ubiquitination and subsequent proteasome-mediated degradation. Protects cells from ER stress-induced apoptosis.[UniProtKB/Swiss-Prot Function]