

## Product datasheet for **MC212454**

### **Rnf185 (NM\_145355) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf185 (NM\_145355) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rnf185  
**Synonyms:** 1700022N24Rik; AL033296  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212454 representing NM\_145355  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGTATCCTCCTGCGCCTCACATGTTCTGCAGACCTATCAATCAACGCCAAGCAGACTGGGATTGTC  
TTGAGAATCTCCCTGGAAGCTTTGCTGGCAAGCAGCCATGGCAAGTAAAGGGCCTTCGGCCTCTGCATC  
CACTGAGAATCCAATGCAGGGGGCCAGTGGCAGCAGCAATGGCACTGGTGTAGAGTGGAGGGCAGGAC  
AGCACCTTTGAGTGCAACATATGCCTGGACACAGCCAAGGATGCTGTATCAGCCTGTGTGCCACCTCT  
TCTGTTGGCCGTGTTTACATCAGTGGTTGGAGACTAGGCCTAACAGACAAGTGTGTCCAGTCTGCAAAGC  
TGGCATCAGCCGAGACAAAGTCATCCCCCTCTATGGCAGAGGCAGCACTGGACAGCAGGATCCCAGAGAG  
AAGACTCCTCCTCGTCTCAAGGCCAGAGGCCAGGCCAGAAAAATAGAGGGGGATTTCAAGGATTTGGAT  
TTGGAGATGGTGGCTTTCAGATGTCTTTTGGAAATTGGAGCATTTCCATTTGGGATATTTGCCACAGCATT  
TAACATAAATGATGGACGGCCTCCTCCAGCTGTCCCTGGGACACCCCAAGTATGTGGATGAGCAGTTCCCTG  
TCACGCCCTTTCCTGTTGTGCGCCCTGGTGATCATGTTCTGGCTCCTGATCGCC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_145355  
**Insert Size:** 687 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145355.5</a> , <a href="#">NP_663330.2</a>
<b>RefSeq Size:</b>	3508 bp
<b>RefSeq ORF:</b>	687 bp
<b>Locus ID:</b>	193670
<b>UniProt ID:</b>	<a href="#">Q91YT2</a>
<b>Cytogenetics:</b>	11 A1
<b>Gene Summary:</b>	<p>E3 ubiquitin-protein ligase that regulates selective mitochondrial autophagy by mediating 'Lys-63'-linked polyubiquitination of BNIP1. 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. Responsible for the cotranslational ubiquitination and degradation of CFTR in the ERAD pathway. Preferentially associates with the E2 enzymes UBE2J1 and UBE2J2 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>