

## Product datasheet for **RN203854**

### Rnf185 (NM\_001024271) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf185 (NM_001024271) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rnf185
Synonyms:	MGC109455
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203854 representing NM_001024271 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAAGTAAAGGGCCCTCGGCCTCTGCATCCACTGAGAATCCAGTGCAGGGGGCCAGTGGCAGCA  
GCAATGGCACTGGTGAGAGTGGAGGGCAGGACAGCACCTTCGAATGCAACATATGTCTGGACACAGCCAA  
GGACGCTGTCATCAGCCTGTGTGGCCACCTTTTCTGTTGGCCGTGTTTACATCAGTGGTTGGAGACTAGA  
CCTAACAGACAAGTATGTCCAGTTTCAAAGCGGAATCAGCCGGGACAAGGTCATCCACTCTATGGCA  
GAGGCAGCACTGGACAGCAGGATCCCAGAGAGAAGACTCCTCCTCGTCTCAAGGCCAGAGGCCAGAGCC  
AGAAAATAGAGGGGATTTCAAGGATTTGGATTTGGAGATGGTGGCTTTCAGATGTCTTTTGAATTGGA  
GCATTTCCATTTGGGATATTTGCCACAGCATTTAACATAAATGATGGGCGACCTCCTCCAGCCGTCCTGT  
GGACACCCAGTATGTGGATGAGCAGTTCCTGTACGCCTCTTCTGTTTGTTCCTGGTATCATGTT  
CTGGCTCTGATCGCCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001024271
Insert Size:	579 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>	<u>NM_001024271.1, NP_001019442.1</u>
<b>RefSeq Size:</b>	2786 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	360967
<b>UniProt ID:</b>	<u>Q568Y3</u>
<b>Cytogenetics:</b>	14q21
<b>Gene Summary:</b>	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]