

Product datasheet for **MC226188**

Rnf185 (NM_001290472) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf185 (NM_001290472) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnf185
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226188 representing NM_001290472
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAAGTAAAGGGCCTTCGGCCTCTGCATCCACTGAGAATCCAATGCAGGGGGGCCAGTGGCAGCA
GCAATGGCACTGGTGGAGTGGAGGGCAGGACAGCACCTTTGAGTGCAACATATGCCTGGACACAGCCAA
GGATGCTGTATCAGCCTGTGTGGCCACTCTTCTGTTGGCCGTGTTACATCAGTGGTTGGAGACTAGG
CCTAACAGACAAGTGTGTCCAGTCTGCAAAGCTGGCATCAGCCGAGACAAAGTCATCCCCCTCTATGGCA
GAGGCAGCACTGGACAGCAGGATCCCAGAGAGAAGACTCCTCCTCGTCCTCAAGGCCAGAGGCCAGAGCC
AGAAAATAGAGGGGGATTTCAAGGATTTGGATTTGGAGATGGTGGCTTTTCAGATGCTTTTTGGAATTGGA
GCATTTCCATTTGGGATATTTGCCACAGCATTTAACATAAATGATGGACGGCCTCCTCCAGCTGTCCCTG
GGACACCCAGTATGTGGATGAGCAGTTCCTGTCACGCCTCTTCTGTTGTCGCCCTGGTATCATGTT
CTGGCTCCTGATCGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290472
Insert Size: 579 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).



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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:	<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_001290472.1, NP_001277401.1</u>
RefSeq Size:	3389 bp
RefSeq ORF:	579 bp
Locus ID:	193670
UniProt ID:	<u>Q91YT2</u>
Cytogenetics:	11 A1
Gene Summary:	<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 (2) lacks part of the 5' coding region and uses a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p>