OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC206976

Rnf185 (BC014812) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf185 (BC014812) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf185
Synonyms:	MGC19394
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206976 representing BC014812. Blue=ORF Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCAAGTAAAGGGCCTTCGGCCTCTGCATCCACTGAGAATTCCAATGCAGGGGGGCCCAGTGGCAGC AGCAATGGCACTGGTGAGAGTGGAGGGCAGGACAGCACCTTTGAGTGCAACATATGCCTGGACACAGCC AAGGATGCTGTCATCAGCCTGTGTGGCCACCTCTTCTGTTGGCCGTGTTTACATCAGTGGTTGGAGACT AGGCCTAACAGACAAGTGTGTCCAGTCTGCAAAGCTGGCATCAGCCGAGACAAAGTCATCCCCCTCTAT GGCAGAGGCAGCACTGGACAGCAGGATCCCAGAGAGAAGACTCCTCCTCGTCCTCAAGGCCAGAGGCCA GAGCCAGAAAATAGAGGGGGATTTCAAGGATTTGGATTTGGAGATGGTGGCTTTCAGATGTCTTTTGGA ATTGGAGCATTTCCATTTGGGATATTTGCCACAGCATTTAACATAAATGATGGACGGCCTCCTCCAGCT GTCCCTGGGACACCCCAGTATGTGGATGAGCAGTTCCTGTCACGCCTCTTCCTGTTTGTCGCCCTGGTG ATCATGTTCTGGCTCCTGATCGCCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	BC014812
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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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:	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:	BC014812
RefSeq Size:	2736 bp
RefSeq ORF:	578 bp
Locus ID:	193670
Cytogenetics:	11 A1
MW:	20.5 kDa
Gene Summary:	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]

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