

Product datasheet for **SC100933**

RNF185 (NM_152267) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF185 (NM_152267) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF185
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152267, the custom clone sequence may differ by one or more nucleotides

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ATGGCAAGCAAGGGGCCCTCGGCCTCTGCATCTCCTGAGAACTCCAGTGCAGGGGGGCCAGTGGGAGCA  
GCAATGGCGCTGGCGAGAGCGGAGGGCAGGACAGCACTTTCGAGTGCAACATCTGCTTGGACACAGCCAA  
GGATGCCGTCATCAGCCTGTGTGGCCACCTCTTCTGTTGGCCGTGTTTACATCAGTGGTTGGAGACCAGA  
CCTAACAGACAGGTGTCTCTGTTTGCAAAGCTGGCATCAGCCGAGACAAGGTCATCCCCCTCTATGGAA  
GGGGCAGCACTGGGCAACAGGACCCAGAGAGAAGACCCTCCTCGTCTCAAGGACAGAGGCCAGAGCC  
GGAGAATAGAGGGGGATTTCAAGGATTTGGATTTGGAGATGGTGGCTTCCAGATGTCTTTTGAATTGGG  
GCATTTCCCTTTGGGATATTTGCCACAGCATTTAATAAATGATGGCGGCCTCCTCCAGCTGTCCCTG  
GGACACCCAGTATGTGGACGAGCAGTTCCTGTCACGCCTCTTCTATTTGTGGCCCTGGTGATCATGTT  
CTGGCTCCTGATTGCCTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_152267 unedited ATTCACCCGCCGTTGNCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG AATTCCGGCAGGAGGTCCGAGGTCTTACCCAACAGATTGACGCGGCGTTAGTATTGGCCG TGTNACCCGAAAACTGATTGACTGGGCTGGCGTAACTGTGCGGAGGCAGGATTTCCCT GGGGAAAGTCTTCACTCAGAGCTTCGCTGACAGCCAAGGATGGCAAGCAAGGGGCCCTCG GGCTCTGCATCTCCTGAGAAGTCCAGTGCAGGGGGGCCAGTGGGAGCAGCAATGGCGCT GCGGAGAGCGGAGGGCAGGACAGCACTTTCGAGTGCAACATCTGCTTGGACACAGCCAAG GATGCCGTCATCAGCCTGTGTGGCCACCTCTTCTGTTGGCCGTGTTACATCAGGGATTT CAAGGATTTGGATTTGGAGATGGTGGCTTCCAGATGTCTTTTGAATTGGGGCATTTCCT TTTGGGATATTTGCCACAGCATTTAATATAAATGATGGGCGCCCTCCAGCTGTCCCT GGGACACCCCAAGTATGTGGACGAGCAGTTCCTGTACGCTCTTCTATTTGTGGCCCTG GTGATCATGTTCTGGCTCCTGATTGCCTAATGCTGGGCTCCTGCCTACATCCGTGGCAGG GCTCTGGACTGGTACGTGCCACCCCAACTCCTGGTGTGGCTTCTGGCTAATCTTGA CTCTGGGATCAGTGGGATCAGTAACACATCAAGGAGTCTTGTCTTTCATCAGAGCTTT GGGACTCGAGACCAGTTGGCGATGACCCCTNGATATCGCCACCGCTGTAACACTCTATA ACTTCAGGGCCTGGCATTGAGTCATCTCTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_152267 unedited GAATTCTATGTNACCGCGGCCGCAATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATGGAAAACCCCTTTGTTAATCTAAAT CAAATCACTTTCAACAGTGAAAATTAGTACTGGTTAAGGGGGGCCACTGGACATATC ATCATTTTCTGACTGGGGTCAGGACCTGGTCTAATCCACTTTTTTGAAGAGGAGGGT GGAGGCTAAGAACCCCAAAACCCCAAAAAAAGGAAAGCTGCCTTGGCAAAAGGATGA AGTGGTGAACCTGCCAGGGATGGTGGGAAAGGGGCTCCCTGTTGGGGCCAGCCAGGAG TCCCAAGTCAGCTCTCCTGCCTTACTTAACTCCTGGCAAAGGGGAGTGGGGACCCACCA AGTTCAAATCAAATGGCATTGGCCCGCCTGGCTTTACTAACAGGTTCCCAAAGTGCC CTGTTGGCTGAGCTCTCCTGGGCTCACTCCCTTTCATTGAAGAATCCCAATGATTCAAT TCCTACCCACAACCTTTTATTATTTTTTTGAAACCCCTTTTGGTGAGGCCCTCTGACT TAAGTCTCTCTCCCTCCACCTATTGGGGCCCTGCCCTGAGGGGGGGCCACCAATTTT CTTTTAAAAAGAAACACCCCAAGCCCTGCCAATTTGCGGGTTTTCCCAAAGGGGAAA AAAAAACCCCTTTAAGGGGTGGCCCCGAATAGTTTTAAATCTTCCGGCCCCCTTTTAA ACCGGGGGGTGTTCACCCCAAGGGTTTTGCCCTTAAACACCCCNCCCCAACCTT ATTTTTTTGGGGCGTTAAACCCACGAACCTGGGTTTGACCAGGCCAAAGAAAAAAA ATGGGGGCCTCTCAAAGAGGGGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_152267
Insert Size:	3000 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:	NM_152267.2 , NP_689480.2
RefSeq Size:	3240 bp
RefSeq ORF:	579 bp
Locus ID:	91445
UniProt ID:	Q96GF1
Cytogenetics:	22q12.2
Domains:	RING
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>E3 ubiquitin-protein ligase that regulates selective mitochondrial autophagy by mediating 'Lys-63'-linked polyubiquitination of BNIP1 (PubMed:21931693). 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 (PubMed:27485036). Protects cells from ER stress-induced apoptosis (PubMed:27485036). Responsible for the cotranslational ubiquitination and degradation of CFTR in the ERAD pathway (PubMed:24019521). Preferentially associates with the E2 enzymes UBE2J1 and UBE2J2 (PubMed:24019521).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes the longer isoform (1).</p>