

## Product datasheet for SC123208

### RNF183 (NM\_145051) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF183 (NM_145051) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF183
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_145051 edited</p> <pre> CGATTGAGGGGAGGGAGCAACTGGAGCCTCAGGCCCTCCAGAGTAGTCTGCCTGACCACC CTGGAGCCACAGAAGCCAGGACGTCTCCCGGAGGCCTCCCGTGTGTGGCTGAGGAT GGCTGAGCAGCAGGGCCGGAGCTTGAGGCTGAGTGCCCGTCTGCTGGAACCCCTCAA CAACACGTTCCATACCCCAAAATGCTGGATTGCTGCCACTCCTTCTGCCTGGAATGCT GGCCACCTCAGCCTTGTGACTCCAGCCCGGCGCCGCTGCTGTGCCACTCTGTGCGCA GCCCACAGTGCTGGCCTCAGGGCAGCCTGTCACTGACTTGCCACGGACTGCCATGCT CACCTGCTCCGCTGGAGCCCCACCATGTCATCCTGGAAGGCCATCAGCTGTGCCTCAA GGACCAGCCCAAGAGCCGCTACTTCTGCGCCAGCCTCGAGTCTACACGCTGGACCTGG CCCCAGCCTGGGGGCCAGACTGGGCGCCCCCAGACACGGCCTCTGCCACCGTGTCTAC GCCCATCCTCATCCCCAGCCACCCTTTGAGGGAGTGTTCGCAACCCTCAGTCCG CATCTTTGCTACCTGATGGCCGTCATCCTCAGTGTCACTCTGTTGCTCATATTCTCCAT CTTTTGACCAAGCAGTTCCTTTGGGGTGTGGGTGAGTGTGTTCCAGACAAGAAACC AAACCTTTTTCGTTGCTGCTGGGTATGGTGACTACGGAGCCTATTTGGTATTGTCTTC CTTTGTAGTGTGTTTATTTTACAATCCAGGGATTGTTGAGGCCATGTGTTGCTTCTGG GAACAATTTAAAAAAAAAACAACGAAAAGCTTGAAGGACTGGGAGATGTGGAGCG ACCTCCGGGTGTGAGTGTGGCGTCATGGAAGGGCAGAGAAGCGGTCTGACCACAGAGCT CCACAGCAAGTTGTCCAAAGGGCTGCACAGTGGTATCCAGGAACCTGACTAGCCCAAT AGCAAGTTGCATTTCTCACTGGAGCTGTTCAAAATCAGTGCATATTTTTTTGAGTTGCT CTTTACTATGGTTGCTAAAAAAAAAAAAAAAAAATTGGGAAGTGAGCTTCAATTCTG TGGGTAATGTGTGTTTCTTTGAAATGTCTTGCCACTGGTTGCAGTAAAAGTGT CTGTATTCATTAATAA AAAAA </pre>



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_145051 unedited GGGGTCANAATTTGTATACGACTCACTATAGGGCCGGCGCGCAATTCGGCACGAGGCG ATTCAGGGAGGGAGCAACTGGAGCCTCAGGCCCTCCAGAGTAGTCTGCCTGACCACCTG GAGCCACAGAAGCCCAGGACGTCTCCCGCAGGCCTCCCGTGTGTGGCTGAGGATGGC TGAGCAGCAGGGCCGGGAGCTTGAGGCTGAGTGCCCGTCTGTGGAACCCCTTCAACAA CACGTTCCATACCCCAAAATGCTGGATTGCTGCCACTCCTTCTCGGTGGAATGTCTGGC CCACCTCAGCCTTGTGACTCCAGCCCGGGCGCCTGCTGTGCCACTCTGTCCGACGCC CACAGTGTGGCCTCAGGGCAGCCTGTCAGTACTTGCCACGGACACTGCCATGCTCAC CCTGCTCCGCTGGAGCCCCACCATGTCATCCTGGAAGGCCATCAGCTGTGCCTCAAGGA CCAGCCCAAGAGCCGCTACTTCTGCGCCAGCCTCGAGTCTACACGCTGGACCTTGGCC CCAGCCTGGGGCCAGACTGGGCCGCCCCAGACACGGCCTTGCACCGTGTCTACGCC CATCTCATCCCCAGCCACCACTATTGAGGGAGTGTTCGCAACCCTCAGTTCGGCAT CTTTGCCACCTGATGGCCGTCATCCTCAGTGTACTCTGTTGCTCATATTCTCCATCTT TTGGACCAAGCAGTTCCTTTGGGGTGTGGGGTGTGAGTGTGTTCCAGACAAGAAACAAA CCTTTTTCGGTTGCTGCTGGGTATGGTGACTACNGAGCCTCATTTGGGATTGNCTTCCTT TGGAGGNTGTTATTTACAATCCAGGNATTGTTAGGCCATGTGTTTCTTGGGAA CCATTTAAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_145051
<b>Insert Size:</b>	1274 bp
<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_145051.2</a> , <a href="#">NP_659488.1</a>
<b>RefSeq Size:</b>	1265 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	138065
<b>UniProt ID:</b>	<a href="#">Q96D59</a>
<b>Cytogenetics:</b>	9q32
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

Acts as a E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins (PubMed:29507230). Triggers apoptosis in response to prolonged ER stress by mediating the polyubiquitination and subsequent proteasomal degradation of BCL2L1 (PubMed:29507230). May collaborate with FATE1 to restrain BIK protein levels thus regulating apoptotic signaling (PubMed:26567849).[UniProtKB/Swiss-Prot Function]