

Product datasheet for **SC123494**

RNF170 (BC032393) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF170 (BC032393) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF170
Synonyms:	DKFZP564A022
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

>OriGene sequence for BC032393 edited
 GACGTCTAGTGGGTTGCCGGGAGGGGTGGCGGGAGCGGTCTGGAAATAATCTGTCTCT
 TGTCGCCGGGAACTGGCGAGGTAGTTTCCTTCGCGGTGGAGAGACCTGGAATGGCCAAATA
 TCAAGGTGAAGTTCAAAGTTTAAAAGTGGATGATGATTCAAGTTATAGAAGGAGTAAGCGA
 CCAAGTACTTGTGGCAGTTGTGGTCAGTTTCGCTTTGATTGCTACCCTGGTATATGCACT
 TTTCCAGAAATGTACATCAAAACATTACCCAGAAAACCAGGAGCTAGTAAGGGTACTTCCG
 AGAACAGCTTCAAACAGAACAGGATGCACCTGCTGCCACTCGACAGCAGTTCTACACTGA
 CATGTACTGTCCCATCTGCCTGCACCAAGCCTCCTTCCCGGTGGAGACCAACTGTGGACA
 TCTTTTTTGTGGTGCCTGCATTATTGCTTACTGGCGATATGGTTCATGGCTTGGGGCAAT
 CAGTTGTCCAATCTGTAGACAAAACGGGTTATCAGAGAAGAGCAGCCGTGCAAGTGAGCA
 GACCCATCAAGAGGCTGTTCATGCCTGGACACACAGAACTCTCCTGCCTGTACAGTCGG
 ATGCAGGTGAGGGCTCAGCATATACCCCATGACCGAATGCTCCCTTCAGCTCACCACG
 TTTATGCTTACGTTACTAGACTGTGTTCCATCCTTTGGTTCTCAGGTTAAATGTTCCC
 TCCTCACTCAGACTACCCAAAAGTAGGCAGTGCAAAAGTAGTGCAAAAGTAGGCAGTGAC
 CCTCCCCTCCCCTTACCCAGGGCACTCTGAGGCATTGACATCTCAGCACAGCATCAT
 CATATTGACATTTCCATTGTCTGTCTGCTTCTCACTAGAACACAAGCTCTATGAAAACAG
 AGACAATGTTAGTTTTGTCCACCCAGATATTCACAGATGTACCGTTATGCCTGCCACCAC
 AGTAGTGCTCAACACATTAAGATTAATAAATAAGCAAGGGAAAAGACAGGAAAAGGGCAG
 AAGACAAGGAAAGATCACTTCTTACTCAGTCATGGCTGCCGCCAGGTCTAAGCCACCCT
 CACTTCTCACCTAAAGGATCACAGCGACCTTCCAGGCAGTCTCCAGGCACCAAGTGCT
 GGCTCCCTACATGCAACGCAGCCCGATGATCATCTCAAGTGTGACTCTGCTGGAAAGCCT
 GCTCTCCCTTTCCACAGAGTAAAGTAAAGTCTCACGCCAGCCTGCAAGGCCCCATGT
 GACCTTGGTTGCTCATTTCTCTCAACCTCATCTCACATTTGTCACACAGCTCACTCT
 GCTCCAGCCATCCAGCCCTCCTTGTCTGCTTTGAGCAGGCTGAAGACGCCACGCCTCAG
 GAGCTCTGCCCTGGCCAGTCCCTCTGACTGCTAGGCTCCTCCGCCGGGCATCCTCACAGC
 CAACTCTACCAACTCCAGATCTTCGCACAATAGCCATTTCTCTGTTAGGCCTGTCTGT
 TCCACCATAAGGAAACTTGCAACTCCCTCAGCCCACAGAGCACCTCTCACCGGTAAACAT
 ACTCTGTGGTCACGTGTTTGCTATCTGCCTCCCTAATGTCTTTGAGAACATTAGCTCCCT
 GAGGGCAGAAATCTCCTTCACTGACATATCCCAAGCCCCAGAATATGCGTGCAGCATA
 GTCAGTAACTATTTGTTGAATCAATGAATGAGAAAACAATATCAGGGAATCTAAGTTGA
 AATACACTTTCTCAGTTCACAATGTTATCCATTCTGACCTTTATCAGACACAGGCACAGA
 GGACCTCAGAGATATTCCAGCAGTCTCAATATCCATGGTAATGCTAATAAACTACTATT
 CTGGCAAA
 AA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC032393 unedited
 TTGGGATTTGTAATACGACTCTACTATAGGGCGGCCGCGGAATCCCGGGGAGACGTCTA
 GTGGGTGCCCGGGAGGGGTGGCGGGAGCGGTCTGGAATAATCTGTCTCTGTGCGCC
 GGAAGTGGCGAGGTAGTTCCCTTCGCGGTGGAGAGACCTGGAATGGCCAAATATCAAGGTG
 AAGTTCAAAGTTTAAAAGTGGATGATGATTCAAGTTATAGAAGGAGTAAGCGACCAAGTAC
 TTGTGGCAGTTGTGGTCAGTTTCGCTTTGATTGCTACCCTGGTATATGCACTTTTCAGAA
 ATGTACATCAAAACATTACCCAGAAAACCAGGAGCTAGTAAGGGTACTTCGAGAACAGC
 TTCAAACAGAACAGGATGCACCTGCTGCCACTCGACAGCAGTTCTACACTGACATGTACT
 GTCCCATCTGCCTGCACCAAGCCTCCTTCCCGGTGGAGACCAACTGTGGACATCTTTTTT
 GTGGTGCCTGCATTATTGCTTACTGGCGATATGGTTCATGGCTTGGGCAATCAGTTGTC
 CAATCTGTAGACAAAACGGGTTATCAGAAGAAAGCAGCCGTGCAAGTGAGCAGACCCATC
 AAGAGGCTGTTGCATGCCTGGACACACAGAACTCTCCTGCCTGTACAGTCCGATGCAGGT
 TAGGGCCTCACCATATACCCATGACCCGATGCTCCCTTCAACCTCACACGTTTATGCTT
 CAGGTTACTAGACTGTGTTTCCATCCTTTGGTCTCAAGTTAAATGTTCCCTCCTCATTCA
 ACTACCCAAAATGAGGGGGGCANAAGTAGTGCAAAAGTAGGCAGGGACCCCTCCCCTCCC
 CTTAACCAAGGGACTTTTGGGCAATTTAAATTTCTGAGCACAGAATCATTATATTGGAC
 ATTTCCATTGGCGCGCCGGCCTTTACACAAAACAAAAGCCCT

Restriction Sites:	Please inquire
ACCN:	BC032393
Insert Size:	1954 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:	BC032393.1 , AAH32393.1
RefSeq Size:	1954 bp
Locus ID:	81790
Cytogenetics:	8p11.21
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a RING domain-containing protein that resides in the endoplasmic reticulum (ER) membrane. This protein functions as an E3 ubiquitin ligase and mediates ubiquitination and processing of inositol 1,4,5-trisphosphate (IP3) receptors via the ER-associated protein degradation pathway. It is recruited to the activated IP3 receptors by the ERLIN1/ERLIN2 complex to which it is constitutively bound. Mutations in this gene are associated with autosomal dominant sensory ataxia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]