

## Product datasheet for **SC122468**

### RNF158 (SH3RF2) (BC073914) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF158 (SH3RF2) (BC073914) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF158
Synonyms:	FLJ23654; MGC90410; MGC149788; MGC149789; RNF158; SH3 domain containing ring finger 2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC073914 edited

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GCTGCCACGTCCGGAGGAGGGCAGCAAGAATGAAAGACCTCTAGTTTTCCAGACTCCCGG
AGCCCTGGTCTCTACACCACATGGACGTTATCCACCTCCTCTGTGTCCTCCCAAGGCAGC
ATTTCAGAAGGTGATCCACGGCAAAGCCGTCCTTCAAATCCGTCTTTGTGCCACTGCC
ATAGTCAACCCCGTGAGAAGCACAGCCGGCCCTGGGACTTTAGGACAAGGGTCTCTTCGG
AAAGGGCGGAGCAGCATGAGAAAAGATAAGTGGTGGCAGAGAGATGGATCCCTGCAGAGA
CCCTCCAGTCCGGGATCCCACTCTCGTGGTAGGCTCCCTCAGACGCAGCCCCACCATG
GTCCTTCGGCCTCAGCAGTTCCAATTCTACCAGCCACAGGGGATCCCTCCTCCCTCA
GCCGTGGTGGGAGATGGGGTCCAAGCCTGCCCTCACGGGGAGCCCGCCTCACGTGC
ATCAGCAGGGGCAGTGAGGCCGGATCCACTCCGCGCCAGCTCCCTCATTATGGAAGAC
AAAGAAATCCCCATCAAGAGTGAGCCTTGCCAAAACCGCCGCATCTGCCCCACCATCC
ATCCTGGTGAACCCAGAAAACCAAGAAATGGCATCGAAAAGCAAGTCAAACCGTGAGA
TTTCAGAATTACAGCCCTCCTCCACCAACATTACACCTCCCATCCACCTCCGAAAAG
CCTGAACAGCCAGCCACCCTCAAGGCGTCCCAGCCTGAAGCAGCGTCCTTGGGCCAGAG
ATGACCGTCTATTTGCCACCGAAGTGGCTGCCACTCCGGACAGCAGACAGACCTCCGG
AGAAAGTCAGCTCTTGCCAAGGCCACAACCCTGGTGTCCACTGCCTCAGGCACGCAGACC
GTGTTTCCAGCAATGAACCTACGGGTGGCTTTTCTAGACCCCAAAGAGGTGAATTGC
ATTTAAATACAGTCTGCCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC073914 unedited TTAATGGGATTTGNAAACGACATANTATAGGCGGCCACGCCTTCCCAGGAGCTGCCAC GTCCTTTAGAGGGCAGCAAGAATGAAGAGACTCTAGTTTTCCAGACTCCCAGGAGCCTGG TCTCTACACCACATGGACGTTATCCACCTCCTGTGTCTCCCAAGGCAGCATTTTCA AGGTGATCCACGGCAAAGCCGTCCTTCAAATCCGTCTTTGTGCCACTGCCATAGTCAA CCCCGTGAGAAGCACAGCCGGCCTGGGACTTTAGGACAAGGGTCTTTTCGAAAAGGGCG GAGCAGCATGAGAAAAGTAAGTGGTGGCAGAGAGATGGATCCCTGCAGAGACCCCTCCA GTCCGGGATCCCCACTCTCGTGGTAGGCTCCCTCAGACGAGCCCCACCATGGTCTTCG GCCTTAGCAGTTCCAATTCTACCAGCCACAGGGATCCCCCTCCTCCCCCTCAACCGTGGT GGTGGAGATGGGGTCCAAGCCTGCCCTCACGGGGAGCCCGCCCTCACGGTGCATTATCA AGGGCAGTGATGCCCGGATCCACTCCGCGGGCAGCTCCCTCATTATGGACACAAACAAAT CCCATCAAAGTGAGCCTTGCCAAAACCGCCGGATTCTGCCAACCTCCATCCTGGGGA AACCCAGAAACTGACGAAATGGCCTTCTAAAAGCAAGTACACCCCTTGGGATTTCAAAA TACAGCCGTCTGCCACCAAAAAATTAACACTGCCATTCCCACTTACAGAAAGTCTGAAAA GCCAACCCCCCTTCAAGGCTTCAAGCTTGAAGCAAGCAGTCTTGGACCCACAAAGA GACCGTCTCAATTAGCTACCGAATTTGTCCGTCTATATCGGTGCTGATATAACGAACT CTTCCGATAAAAATTCGACTCTTTTTGCCACAGGCCCTGACCCAATGGAGTCCCAGT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC073914
<b>Insert Size:</b>	1058 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>	<u>BC073914.1, AAH73914.1</u>
<b>RefSeq Size:</b>	1065 bp
<b>Locus ID:</b>	153769
<b>Cytogenetics:</b>	5q32

**Gene Summary:**

Has E3 ubiquitin-protein ligase activity (PubMed:24130170). Acts as an anti-apoptotic regulator of the JNK pathway by ubiquitinating and promoting the degradation of SH3RF1, a scaffold protein that is required for pro-apoptotic JNK activation (PubMed:22128169). Facilitates TNF-alpha-mediated recruitment of adapter proteins TRADD and RIPK1 to TNFRSF1A and regulates PAK4 protein stability via inhibition of its ubiquitin-mediated proteasomal degradation (PubMed:24130170). Inhibits PPP1CA phosphatase activity (PubMed:19945436, PubMed:19389623).[UniProtKB/Swiss-Prot Function]