

## Product datasheet for **SC120758**

### **RFTN2 (NM\_144629) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RFTN2 (NM_144629) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFTN2
Synonyms:	C2orf11; Raftlin-2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC120758 sequence for NM\_144629 edited (data generated by NextGen Sequencing)

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ATGGGGTGCGGACTTAGAAAAGCTAGAAGACCCTGATGATAGCAGCCCTGGAAAAATATTT
TCTACCCTGAAGAGACCGCAAGTGGAAACAAAGACAGAATTTGCTTACGAATATGTATTG
CTGGATTTTACTCTACAAGCTTCATCAAACCCAGAAGTCATCAAGATAAATTC AATTCTG
GATATAGTAACAAAAGTGGAAAACCTATTATCTTAAAGGATATATTGTCGGGGCTATTCAT
CCTGTTATACAACCTGTGGGGCAGCGAAAACACCTACCTGCAAGTTACCTATACAGAGTG
GTGCTATTGCGCTTGAAATTAAGCCCAAAGAATTCGGCAGCACCCAGTGGACAAAAGACGC
CCAAGGCTTGATTGAGGAATGTCCCCTAACTTCTGAGGCACAAAACAAATGACGCAGCA
AAAGAAGCTGATAGAAAAGATTAATGTGCGTGCTAAAAGAGGAATGAAATTTGTTGGATTC
ATATCACAGCATTATTCTCCATCTAAATCTGCAATGGAACCAACCATGATGGAGATATA
GAATCGATGCTACATGTGAGACACGGTTCAGATGAAAAGTGTAGAAGTTGGAATGAAGGG
ACGTTAAGTGGGCAGTCATCTGAAAGCGGAATTGAGGAAGAACTTCATCATGAAAGTGG
CAGTATCAAAATGGAACAAAATGGCAGCCCTACTTCTCTAAATCAAGAAAGGGAGAAGCC
TCAGATAACAAAATGTATACAGTCTTCAATGCTTTTGATGATGATTCAACCTCCTGGGCC
TATCAGGAAGGCATCCTGTCAATGAAAGTAAACAAGAAAAGGATCAGTCATTAGTACACTT
GATGCTGATTGGCTGGAGTTAACTACCTTTTATTATAACAAGGCTTGCTTTAATTGAT
TCTTTTGTATTCTGGGAAACATCTAAAGGGGAACATTTGCCTAAATCTTTGGAAGGATTT
TTTATCTATGAAGAAGAAGGTTCTGGAGTTCAGGTTCTAGTAGGAAAGGAAATGATGCC
ATCGTAGTAGAACAAATGGACTGTTATTGAGGGATGTGAAATCAAAACAGATTATGGCCCT
CTGCTGCACACTCTGGCTGAATTCGGATGGCTTCTGACAAGCGTGTGGCCACACCTGTA
TTGAGACATGACAGTGAAGGGAATTTGGCTACAAAGCAGATCGTATTCCTTCAGAGGCCA
GTTATGTGGAATTCAGCTGCTCAAACACCAGATAAGAAAGCCAGCCGCCACATAAAAAGTT
GAAGACAAGAATAAAGCCACTAGTAGAAGCATCGGATTAGACACAACCTCGTCACAACCT
GCAGAGAGCAGACACCTGCCTGAGGAGTGCCGCCCTTCTCCCTCCCGGGAATGCTGGACA
AAGGAGGGAAGGCTGGCAGCAGCAACAGCTTCTCTGGGTTGAGCAGCAGTGACAACGTC
CTCCGGGAATTAGACGACGACAGTTTGATCAGGAAGATGGAGTGACTCAGGTCACCTTGT
ATGTGA
    
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Clone variation with respect to NM\_144629.2  
369 c=>t

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_144629 unedited
TAACGTCACAATTTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGCAGGTGAA
AACAAAATCAAAGCAGTTAAGTCTGTAACCTTTCTTTTGCAGCTTAAACAACAGAATTTG
CTGCTCTCCCTCCCCTTTCCTGCAATTTAATTCCTTACAGATTTTGCCATGGGGTGCGGA
CTAGAAAAGCTAGAAGACCCTGATGATAGCAGCCCTGGAAAAATATTTTCTACCCTGAAG
AGACCGCAAGTGGAAACAAAGACAGAATTTGCTTACGAATATGTATTGCTGGATTTTACT
CTACAAGCTTCATCAAACCCAGAAGTCATCAAGATAAATTC AATTCTGGATATAGTAACA
AAAGTGGAAAACCTATTATCTTAAAGGATATATTGTGCGGGCTATTCATCCTGTTATAACA
CCTGTGGGGCAGCGAAAACACCTACCTGCAAGTTACCTATACAGAGTGGTGTATTGCGC
TTGAAATTAAGCCCAAAGAATTCGGCAGCACCCAGTGGACAAAGACGCCCAAGGCTTGTG
ATTGAGGAATGTCCCCTAACTTCTGAGGCACAAAACAAATGACGCAGCAAAAAGAACTGTAT
AGAAAAGATTAATGTCGCTGCTANAAGAAGGATGAAAATTTGTTGGATTCATATCACAGCAT
TATTCTCCATCTAAAATCTGCAATGGAACCAACCATGATGGAGATATAGAATCGATGCTT
CATGTGAGACACGGTTCAAATGAAAACCTTTAGAGTTGGAATGAAAGGACGTTAAATGG
CATTTCATCTTGAAGCGAATATGAGAAAACCTTCATCATGAAAAGTGGACAGTATCCAATG
GAACAAATGGCAGCCCTACTTTCCTCTAATAAGAAAGGGGAAAACCTCAGAAAACAAAATG
GATACAGTCTTAAAG
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_144629 unedited AAATTAGCTGTGNACCGCCGCGTTATCTANGATCGAGTTTTTTTTTTTTTTTTTAAAA AGATGTTTTATTATTAATGATCTTACAATGTCAACATCAATGTTAATAAAAAATATATA ATAGGCTGAATTCATCAATGATAGAATAAGTTGTAATTCACCTGGAGGTTCCATCTTCA AAGTAAGCCTTTCATAGATAAATGAAAACTTTATTTTGTAGAATTTTAAAGATTGTTA AAGGCTGGGTCAAGGCAAAGCCACCTCTATTAGAAGGGGAAAAGAAAGCAAGATGAAACA AAATATGTTATCATAACATATCGCGTGTGCTATGAGCATCTTTCTACTCCTGCCAGATTGA AAATTCTAGGTTTCAACATTCTTCAGGATTTAACAAAGTCAAATAAAAGCAGAATTCAAA TCTAGACAGATGTAAAAGACTTCAGTTTCAAATTGAAGTTGATATTTTTCTCTTCATAG TATTTGGACTTTAAAAATAAAAAAAATTAATCTTACTCTCTACTAAGGTATTTATGTAT TGAGATTATGGGTTCTTTTCATATTGAATTTTAAAGAGATGCTGCTTTGCTGTCTGCATTT TTAGGCTTTTAGGAGCAACAACATTTATGTGCAATGAATCAGTACAGGGTTGGTGACATG ACCCTTTAAAAGCAAAGATACATAAAAAAGATTTTTTTCAAAAAATTTTTAACACATAG GGGCTTGCTTTGTATATACATGCTATAGTTAAAGACCAATGTGGATTAATATTATATT TGGGAAATAGGTATTTATTTGCACTAATTAGCTGTGTGTGTATGAGAGAGAGAGAGAA AAAAAAGGGGGGAGGTTATTTTTCACCTTAAATAAAACTGGACTTCCTGAGAACTCTC TCTAATT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_144629
<b>Insert Size:</b>	3000 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_144629.1</a> , <a href="#">NP_653230.1</a>
<b>RefSeq Size:</b>	3113 bp
<b>RefSeq ORF:</b>	1506 bp
<b>Locus ID:</b>	130132
<b>UniProt ID:</b>	<a href="#">Q52LD8</a>
<b>Cytogenetics:</b>	2q33.1

**Gene Summary:**

Upon bacterial lipopolysaccharide stimulation, mediates clathrin-dependent internalization of TLR4 in dendritic cells, resulting in activation of TICAM1-mediated signaling and subsequent IFNB1 production. May regulate B-cell antigen receptor-mediated signaling.[UniProtKB/Swiss-Prot Function]