

## Product datasheet for **MC228971**

### **Rnf10 (NM\_001302449) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnf10 (NM_001302449) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf10
Synonyms:	AA675014; mKIAA0262; RIE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC228971 representing NM\_001302449  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCGCAGAGCTCCCCAGCGCCGCCACCGCTCCGACATGGACAAGAACAGCGGCTCCAACAGCT  
 CCTCCGCCTCCTCGGGCAGCAGCAAAGGGCAACAGCCGCCCGCTCCGCCTCGGGCGGGCCGGCCGCGA  
 GTCTAAACCCAAGAGTGATGAAAAGAACTCAAATGGATCCAAGCGTTACAATCGCAAGCGTGAACCTCC  
 TACCCCAAAAATGAAAATTTTAGCAACCAGTCCCGTCGCTCCAATTCACAGAAAAGCAAACTTTTAAACA  
 AGATGCCTCCTCAAAGGGCGGTGGCAGCAGCAAACCTTTAGCTCTTCTTAATGGTGGAAAGACGAGA  
 TGAGGTAGCAGAGGCTCAGCGGGCAGAGTTTAGCCCTGCCAGTTCTCTGGCCCTAAGAAGATCAACCTG  
 AACCACTGTGTTAAATTTACCTTTGAACCAGTGGCCAGGCAGGTCACTTTGAAGGCAGTGGCATGGCG  
 GCTGGGGGAAGAGAAAACAAGTGGGGACACAAGCCTTTCAACAAGGAGCTCTTTCTACAGGCCAAGTCCCA  
 ATTTGTGGTGTCTGAAGACCAAGACTACGCAGCTCACTTTGCTGACCCTGACACCTTAGTCAACTGGGAC  
 TTTGTGGAACAAGTGCAGATCTGTAGCCATGAAGTGCCATCTTGCCCAATATGCCTCTATCCACCTACTG  
 CGGCCAAGATAACCGCTGTGGACACATTTTCTGCTGGGCATGCATCCTGCACTATCTTTCACTCAGTGA  
 GAAAACCTGGAGCAAATGTCCCATCTGCTACAGCTCTGTGCATAAGAAGGATCTCAAGAGTGTGTTGCC  
 ACAGAGTCTCGACAGTATGCTGTGGGGACACCATACCATGCAGCTGATGAAGAGAGAGAAGGGAGTGT  
 TGGTGGCCCTGCCAAATCCAAGTGGGTGAATGTAGACCATCCTATTAACCTAGGAGATGAGCAGCTCAG  
 CCAGTATTTCAAGCTGCTGCTGGCCTCGAAGGAGCAGGTGCTGCACCGGTAGTTCTGGAGGAGAAAAGGA  
 GCGCTGGAGCAGCAGCTGGCAGAGGAGAAGCACACTCTGAGTCTGTTTCATTGAGGCTGCTATCCAGG  
 AGGTCAAGATTCGGGAAGAAGCTCTGTGAGGAGTGGCTGGAGCGGAGGGGAGGTCACTGGTGTGTTGGC  
 TGCTCTGGAACACCTGGTGTGATGGCTCCCTGGCCACGGAGTCTGCTTTCCAACCCAGGAAGGGTGTG  
 CTGGAGTATCTGTCTGCTTTTGTGATGAAGCTGCACAAGTTTGTCTCTGGACCCCTGGTCTCTTG  
 CCCTCCCTTTGGTGAAGAGGAGGAAGCAGTGTCTGAGCCAGAAGCCTGTGAGGACGCAGAGGTAGCCGA  
 TGACAGTCTGGGAGAGGGGACTGTTGGTCTGAGATGAGCCAGGAGGAGCCATCACTAAGCCAGGCTTC  
 ACCCAGCTCAGCAGCTCTCCGTGTTACTACTTCTACCAGGCGGAAGATGGACAGCACATGTTCTGCACC  
 CTGTCAACGTGCGCTGCCTGTGCGGGAGTACGGCAGCCTGGAGCAGAGCCAGAGAAGATCTCAGCAAC  
 CGTGGTAGAGATTGCTGGGTATCCATGTCTGAGGATGTTCCGGCAGCGTCATAGGTATCTCTCACTTG  
 CCACTCACCTGTGAGTTCAGCATCTGTGAAGTGGCTCTGCAGCCTCCTGTGGTCTCTAAGGAAACCTAG  
 AGATGTTCTCAGATGACATTGAGAAAAGGAAGCGTCAGCGCCAAAAGAAGGCTCGCGAGGAGCGTCGCCG  
 AGAGCGCAGAATTGAGATGGAGGAGAACAAGAGACAGGGCAGGTATCCCGAGGTCCACATTTCCCTCGAG  
 AACCTACAGCAGTTTCCGGCCTTCAATTCCTATACCTGTCCCTCTGATTCTGCTTTGGGTCCCACCAGCA  
 CTGAGGGCCATGGGGCCCTATCCCTGTCTCCTCTGAGCAGAAGTCCAGGCTCCCATGCAGACTTTCTGCT  
 GACCCCTCTGTACCCACTGCCAGTCAGGGCAGTCCTTCTTCTGCGTTGGGAGTCTGGAAGACGACTCT  
 CCCTTCCCTTTCTTTGCCAGATGCTGAGGGTTGGCAAAGCAAAGCAGACGGGTGGCCAAAAGTCTC  
 CAAAGAAAAGATGACAATAGCTTGGTTCTCCCGCCCTGTGGACAGTGTGGGAGAGTGACAATTTGA  
 CCGTGTTCCTGTGCCAGTTTCCAAAATTCCTTCAGCCAAGCTATCGAAGCAGCCTTCATGAAATTGGAC  
 ACACCAGTACTTCAGACCCCTCTCTGACAGAGGAGGGAAGAAAAGGAGAGACAGAAGCAGAAGCTGC  
 TGTTACAGCACCTCGGTCTCCACCAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001302449  
**Insert Size:** 2412 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_001302449.1</a></u> , <u><a href="#">NP_001289378.1</a></u>
<b>RefSeq Size:</b>	3120 bp
<b>RefSeq ORF:</b>	2412 bp
<b>Locus ID:</b>	50849
<b>UniProt ID:</b>	<u><a href="#">Q3UIW5</a></u>
<b>Cytogenetics:</b>	5 56.01 cM
<b>Gene Summary:</b>	<p>The protein encoding this gene is a member of the really interesting new gene finger protein family. Members of this family contain protein motifs similar to zinc finger domains and are involved in many processes that include transcriptional regulation, DNA repair and signal transduction. Expression of this gene is upregulated during neuronal differentiation of cultured cells, and inhibition of its expression impairs differentiation and cell cycle exit, providing evidence for a function in neuronal differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (3) uses alternate in-frame splice sites in the coding region compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>