

Product datasheet for **MC200724**

Rnf10 (NM_016698) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf10 (NM_016698) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf10
Synonyms:	AA675014; mKIAA0262; RIE2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010342 sequence for NM_016698
 GAAGGCGCTGGCGGGCAGTGATGGCGGGGGTGGTGGGGACGTAAGCTAAGCACCTGGGGAGCGGCGG
 GGAGAGTGGCGGGCAGCGGGAGCCCGGTGGCGCCGACCCCGCGGCCCTGAACGCCATGAGCCTGGGTC
 CCCGCCGCGCCGCTCCGCTCCGACCGCGTCGCCGCGAGGCCCCCTTTGATGCCCGAGAGCTCCCCCA
 GCGCGCGCCGACCGCTCCGACATGGACAAGAAGACGGGCTCCAACAGCTCCTCCGCTCCTCGGGCAG
 CAGCAAAGGGCAACAGCCGCCCCGCTCCGCTCGGGGGGCGGGCGGCGAGTCTAAACCAAGAGTGAT
 GGAAAGAACTCAAATGGATCCAAGCGTTACAATCGCAAGCGTGAACCTCCTACCCCAAAATGAAAATT
 TTAGCAACCAAGTCCCGTCGCTCCAATTACAGAAAAGCAAACTTTTAAACAAGATGCCTCCTCAAAGGGG
 CGGTGGCAGCAGCAAACCTTTAGCTCTTCTTCTAATGGTGAAGACGAGATGAGGTAGCAGAGGCTCAG
 CGGGCAGAGTTTAGCCCTGCCAGTTCTCTGGCCCTAAGAAGATCAACCTGAACCACTTGTAAATTTCA
 CCTTTGAACCACGTGGCCAGGAGGTCCTTTGAAGGAGTGGGCATGGCGGTGGGGGAAGAGAAACAA
 GTGGGGACACAAGCCTTTCAACAAGGAGCTCTTTCTACAGGCCAACTGCCAATTTGTGGTGTCTGAAGAC
 CAAGACTACGAGCTCACTTTGCTGACCCTGACACCTTAGTCAACTGGGACTTTGTGAACAAGTGCACA
 TCTGTAGCCATGAAGTGCATCTTGCCCAATATGCCTCTATCCACCTACTGCGGCCAAGATAACGCGCTG
 TGGACACATTTTCTGCTGGGCATGCATCCTGCACTATCTTCACTCAGTGAGAAAACCTGGAGCAAATGT
 CCCATCTGCTACAGCTCTGTGCATAAGAAGGATCTCAAGAGTGTTGTTGCCACAGAGTCTCGACAGTATG
 CTGTGGGGGACACCAATTACCATGCAGCTGATGAAGAGAGAGAAGGGAGTGTTGGTGGCCCTGCCCAAATC
 CAAGTGGGTGAATGTAGACCATCCTATTAACCTAGGAGATGAGCAGCTCAGCCAGTATTCCAAGTGCTG
 CTGGCCTCGAAGGAGCAGGTGCTGCACCGGGTAGTTCTGGAGGAGAAAGGAGCGCTGGAGCAGCAGCTGG
 CAGAGGAGAAGCACACTCCTGAGTCCTGTTTCATTGAGGCTGCTATCCAGGAGGTCAAGATTCGGGAAGA
 AGCTCTGTGAGGAGTGGCTGGAGGCGGAGGGGAGGTCACTGGTGTGTGGCTGCTCTGGAACACCTGGTG
 CTGATGGCTCCCTGGCCACGGAGTCTGCTTTCCAACCCAGGAAGGGTGTGCTGGAGTATCTGTCTGCGT
 TTGATGATGAAGCTGCACAAGTTTGTCTCTGGACCCCTGGTCTCTTGCCTCCCTTTGGTGAAGA
 GGAGGAAGCAGTGTCTGAGCCAGAAGCCTGTGAGGACGCAGAGGTAGCCGATGACAGTCTGGGAGAGGGG
 ACCGTTGGTCTGAGATGAGCCAGGAGGAGCCATCACTAAGCCAGGCTTCAACCACTCAGCAGCTCTC
 CGTGTACTACTTCTACCAGGCGGAAGATGGACAGCACATGTTCTGACCCCTGTCAACGTGCGCTGCT
 TGTGCGGGAGTACGGCAGCCTGGAGCAGAGCCAGAGAAGATCTCAGCAACCGTGGTAGAGATTGCTGGG
 TATTCCATGTCTGAGGATGTTCCGCGAGCGTCATAGGTATCTCTCACTTGCCACTCACCTGTGAGTTCA
 GCATCTGTGAAGTGGCTCTGCAGCCTCCTGTGGTCTCTAAGGAAACCTAGAGATGTTCTCAGATGACAT
 TGAGAAAAGGAAGCGTCAGCGCCAAAAGAAGGCTCGCGAGGAGCGTCGCCGAGAGCGCAGAATTGAGATG
 GAGGAGAACAAAGAGACAGGGCAGGTATCCCGAGGTCCACATTCCTCGAGAACCTACAGCAGTTTCCGG
 CCTTCAATTCTATACCTGTCCCTCTGATTCTGCTTTGGGTCCCACCAGCACTGAGGGCCATGGGGCCCT
 ATCCCTGTCTCCTCTGAGCAGAAGTCCAGGCTCCCATGCAGACTTTCTGCTGACCCCTCTGTACCCCACT
 GCCAGTCAGGGCAGTCCTTCTCTGCGTTGGGAGTCTGGAAGACGACTCTCCCTTCTTTCTTTGCC
 AGATGCTGAGGGTTGGCAAAGCAAAAGCAGACGGGTGGCCAAAACCTGCTCCAAAGAAAGATGACAAAG
 CTTGGTTCTCCCGCCCTGTGGACAGTGATGGGAGAGTGACAATTCTGACCGTGTCTGTGCCCACT
 TTCCAAAATTCCTCAGCCAAGTATCGAAGCAGCCTTCATGAAATTGGACACACCAGCTACTTCAGACC
 CCCTCTCTGAAGACAGAGGAGGGAAGAAAGGAAGAGACAGAAGCAGAAGCTGCTGTTGAGCACCTCGGT
 CGTCCACACCAAGTGACACTATTGCCAGGCGCCTTCTCCATCGGGTTTCTCTCTGTGCTTTTGTGTTG
 CTGCTGTAATTTTAAAGTATTTGAGTTTGAACAGATTGATTAGCTTGGGGTGGGGGGAGGGGCTTTCCCC
 AAAGTGAGGGGGAACCAAGAAAATTTTAAATACAGTGATTTTCCAGCTTCCCTCTTTACCCCAAGATA
 AAGTATTGGCCCTCAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_016698
Insert Size: 2415 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC010342</u> , <u>AAH10342</u>
RefSeq Size:	2840 bp
RefSeq ORF:	2415 bp
Locus ID:	50849
UniProt ID:	<u>Q3UIW5</u>
Cytogenetics:	5 56.01 cM
Gene Summary:	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] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.