

Product datasheet for **MC205832**

Rtn4ip1 (NM_130892) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn4ip1 (NM_130892) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtn4ip1
Synonyms:	D10Ertd690e; NIMP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024116
 GGAGACCGCGCCGGGGTTCGTGTGTCAGGAATCCGCCTGACCTAGGAATTGCTAGCCTGTTTGCTTGTCCC
 TCTGAGGACTCCCTGCTTGTCTTTTTTTTCTTAAGGGGAAGGAGAGCGTAAGGAAGGAATGGCCAG
 TGTAAGTACTGGACGCCAACTGGGACATTTCTGACGTGGGGAGCACAGTAGCAATTTATTTAATTCCG
 TCGCGGCTTTAGGTTGAGTTTGTCTGAAAGCTCCCCCTCGCTAATTGACCTGTGGGTTTGGCAGATT
 TTGGCTGAATGAAATGTGTTAGTTTACCTGCTTCAGGTCCTTTCTCCACCGTCGCACCCCCCACC
 CGCTCCTCCTT
 CTGAGGATGGGCGTTTTGAAGACCTGTGTAAGTACTAGAAAGTGTGTTGTGCGCCGCTGCTTCTGGAGAA
 GGACAGTTATCCCAAAGCCACATTTAGAGGCATTAGTACTACGTCTGCGAGGAGCACTGTCATGCCCGC
 TTGGGTGATAGATAAATATGAAAGAATGAAGTCTTCGATTCACCCAGAACATGATGTTACCTATCATA
 CACTATCCAAATGAAGTCATTATCAAAGTCCACGCTGCCAGTGTAAATCCTATAGATGTTAATATGAGAA
 GTGGTTATGGAGCCACAGCCCTAAATATGAAGCGTGATCCCTGCATATGAAAACCAAAGGAGAAGATT
 TCCTCTGACTCTGGGTCGGGATGTCTCTGGTGTGGTGTGGAGTGTGGGCTTGATGTGAAGTATTTCCAG
 CCTGGAGATGAGGTCTGGGCTGCAGTTCCTCCTTGAAGCAAGGCACTCTCTCAGAAATTTGTTGTGGTCA
 GTGGGAATGAGGTTTACACAAGCCAAATCGCTTACTCATACTCAAGCTGCCTCTTTGCCATATGTGGC
 TCTCACGGCTGTGCTGCATAAACAAGGTTGGCGGCCTGAGTGACAGGAAGTGCAGGGGAAGCGTGCC
 TTAATCTTGGGTGCGTCAGGTGGAGTTGGTACTTTTGGGATACAGGTAATGAAAGCATGGGGGGCTCATG
 TGACAGCCGTTTGTCTCGAAAGATGCCAGTGAACCTGTGCGGAAGCTTGGAGCAGATGAGGTCATTGATTA
 CACGTTGGGAAGTGTGGAAGAGCAATGAAATCTCTAAAAGTGTGACTTTATCCTTGATAACGTTGGT
 GGATCTACTGAAACATGGGCTCTAAATTTCTCAAGAAGTGGTCAGGAGCTACCTATGTGACTCTGGTGA
 CTCCTTCTCCTGAACATGGACGACTGGGTGTGCTGATGGCATGTTGCAGACAGGAGTACCCGTTGGG
 TACAAAGGCATTGAAGCATCTCTGGCAAGGAGTCCATTACAGATGGGCCTTCTTCATGGCCAGTGGTCCA
 TATCTAGATGAAATGCAGAAGTGGTGGATGCAGGAAAGATCCGGCCAGTTATTGAGCGGACATCCCTT
 TCTCTGAAGTCCAGAAGCCTTCTGAAGTGGAGAGAGGCCACGCCCGAGGAAAGACTGTGGTTAATGT
 AGTTTAAATACATATATGGGCAAGCTGGCGGCTTGTGCTCTCTCCTCGCAAGTGCCTCGGACCCAGAC
 ATCTAGCCTTACCACACATTCTCCCGAGTCAGATTTTAAAGTTTCACTATCCATGTATAAACCTACTCCT
 GGACTGGTGGAGGCTCACAGGTAAGGTTGCGTGGCTGCCTGAGTTCAGTTCCTGGAGCCCACTCGAGGGA
 GAACTGATTCAGTACATTGTTCTCTCCCCCTCCCCACTATGCACACACCTTACAGAGATAAAGAA
 ATGCATAATGCTGTGTGGGCACATGCGCAAGGGCACGAGAGGACATCACAGGGAACCTTCGGGAGCCA
 GTGCTAGCCTTTACCCACGGAGTCATCTACTGGCCCAATGAAAAACATTTTTAAAAATATGTGTTTTAA
 AAAATACTTTCAAATTTAAATTTGACCTAGAGAATAGTTTCTTCATGGCAGTCTACATGTACGTTCA
 TGGGATGTAGCCTTTGTGCTAATCATTGGCAATGCTCAGTACAAAAGTGTGAGTCTCTGCACTTGCCT
 CGAGTCAGTGGGAAGTACATGGTGTCTTTGTTTTAATTTATTTGATTTTGTGTCATGTGTATGGATATT
 GCCTATGTGTATGTGCACCATATGGCATGTCTGTACCTGGGGCGCCAGAGGTGGTTGTGAGGTCCTT
 GGAAGTGGAAATTAACAGGTGATTGTGAGCTGCCATGTAGGCACTGGGAATGAACCTGGGTCCTCAGGAA
 GAGCAGCCAGTGTTCCTAAATGCGGAGCTGTCTCCAGCCTCTGCACAGTGTTTTTGTTTTTATAAGCTGT
 GGTGTTGACCCAGCTCTGTAATTTTTGTGGCCTTTTTGTAGCTCAAACCCCGCCATCTTATGTTAATGTC
 TGTGAGATTCTAAAACGGGTCAGAACCTCTCCCAAGGACCTTCGTGTGCAGCATCACTTGTGATAACT
 GGGAGGTAGCAGAACCTTACGTAGGACCTAGTGGGAGGAAGTGGGAGGCACTGCTGGAGGAGATACCAG
 GACCCAGGGCTTTCTGCTTCTATGTCTTGTGCTGCTGATGCGCTGTAGGCAGGCTGAGGAGCATTCTTTGATTGA
 TGGTTGGTGGATGGGTCCAGCCACTGTGGGAGGTGCCATCCCTGGGTAGGTAGTCATGGGGTGTATAAG
 AAACCAAAGTCAAGTAAGCTAAGGGGAAGCAAGCCAGTCAGCAGCACTCCTCTGTGGCCTCTGCATTAGTT
 CCTGCCTCCGGGTTCTGCATTCTTGTGCTGCTGCTGCTCTATGATGTAATCTGTGAGATGTAATAAACCC
 CTTTCTCCTCAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_130892
Insert Size: 1191 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:	BC024116 , AAH24116
RefSeq Size:	2966 bp
RefSeq ORF:	1191 bp
Locus ID:	170728
UniProt ID:	Q924D0
Cytogenetics:	10 23.12 cM
Gene Summary:	Plays a role in the regulation of retinal ganglion cell (RGC) neurite outgrowth, and hence in the development of the inner retina and optic nerve (PubMed:26593267). Appears to be a potent inhibitor of regeneration following spinal cord injury (PubMed:12067236).[UniProtKB/Swiss-Prot Function]