

## Product datasheet for **MC200292**

### Rab14 (NM\_026697) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab14 (NM\_026697) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rab14  
**Synonyms:** 0610030G24Rik; 2810475J17Rik; A830021G03Rik; AI314285; AI649155; D030017L14Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC009085 sequence for NM\_026697  
 CGGACGCGTGGGCGGAAAGCTGCCAGCCACCAGCAACCCCCAGTGCCACCATGGCAACTGCACCGTAC  
 AACTACTTTACATCTTTAAGTATATTATTGGGGATATGGGAGTAGGAAAATCTTGCTTGCTTCATC  
 AATTTACAGAAAAAATTTATGGCTGATTGTCTCACACAATTGGTGTGAATTTGGTACAAGAATAAT  
 TGAAGTTAGTGGTCAAAAAATCAAAGTGCAGATTTGGGATACAGCAGGGCAGGAGCGGTTAGAGCGGTT  
 ACACGGAGCTACTATAGAGGAGCTGCAGGTGCGCTCATGGTGTATGACATCACCAGAAGAAGTACATATA  
 ACCACTTAAGCAGCTGGTTGACAGACGCAAGGAATCTCACCAATCCAAACACTGTAATAATTCTCATAGG  
 AAATAAAGCAGACTTGGAAGCACAGAGAGATGTTACCTATGAAGAAGCCAAACAGTTTGCTGAGGAAAAC  
 GGCTTATTGTTCTTGAAGCAAGCGCAAAAACGGGAGAGAATGTAGAAGATGCTTTTCTGAGGCTGCCA  
 AGAAAATCTATCAGAATTCAGGATGGAAGCCTGGATCTGAATGCTGCCGAGTCTGGTGTACAACACAA  
 ACCCTCAGCCCCGAGGGAGGACGGCTAACAGTGAACCCCAACCCAGAGAGAAGGCTGTGGCTGCTAG  
 TGACCTCTTTTCTGGCCCTCATTGACCTTTCACCTCTGTCTGTTGGAAGCAGTACTTTTTACTGCC  
 TCCTTGTCTTCTGTACATCTTACTGGGTTAATTAAGAAAAAGAAAAAGAAAAACAACCTTTGTAAGAAA  
 CAGTTTAAACAATACTAACTGCTAAACATCTAGATGTAATCAGGTTATCAAAGGCAAGTAGAGTAATAAA  
 TCTCTCTGCATGGTAAATCTAGACTTTCCCTTTGATTGTCCTTGATAGGTTTGTACCAATATAT  
 GATTTAACTGAGCACTGCTGCTGGACCTGATTTTACCTTCCCTTTGGCAAGGCTTTGCTCGCTGTA  
 CGGTTTAAATTTGATCTTTTCAGCCTTCTCCATCTTTAACTGTTGAGTATGTCTGTTGTAGCCAGTA  
 AGTTCATTGCTGTGAAATGACTTTGGATGGTAGAGAAAAGGGTCTGCAACTGCTTTTGTGTTTGTGGA  
 TAAATCCCTGTTGTAGGGGTGGCATTCTTTGATGAGGTTTGTCTTGTCTTAGCCTTGACACAGGGAA  
 AAATACCCATTTATCTTTTCTGTGCTTAATTAATAGCTTATCTTTTTTTTTTAAATTTTACACTATTT  
 TATCTTTTCTTTAACAGAAAGTAAATATGTATAAAATTTGAAGGAACCTAACTAACAAATACCTTCTG  
 TGTATATTATTTAATGAAGAAAATAAATTGATTACTGGCATTGGAACAGTATAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_026697  
**Insert Size:** 648 bp



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<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="#">BC009085</a> , <a href="#">AAH09085</a>
<b>RefSeq Size:</b>	1469 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	68365
<b>UniProt ID:</b>	<a href="#">Q91V41</a>
<b>Cytogenetics:</b>	2 B
<b>Gene Summary:</b>	Regulates, together with its guanine nucleotide exchange factor, DENND6A, the specific endocytic transport of ADAM10, N-cadherin/CDH2 shedding and cell-cell adhesion (By similarity). Involved in membrane trafficking between the Golgi complex and endosomes during early embryonic development. Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development. May act by modulating the kinesin KIF16B-cargo association to endosomes (By similarity).[UniProtKB/Swiss-Prot Function]