

## Product datasheet for **MC212334**

### Rac3 (NM\_133223) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rac3 (NM\_133223) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rac3  
**Synonyms:** Rac1B  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212334 representing NM\_133223  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAGGCCATCAAGTGCCTGGTGGTGGCGATGGTGCCTGGGGAAGACGTGCCTGCTGATCAGCTACA  
CGACCAACGCCTCCCAGGAGAATATATCCCCACAGTTTTCGACAACACTCAGCCAACGTGATGGTGG  
TGGGAAGCCAGTTAACCTGGGGCTGTGGGACACTGCTGGCCAGGAAGACTACGATAGGCTTCGGCCACTC  
TCCTATCCTCAAACAGATGTCTTTCTGATCTGCTTCTCCCTGGTGGAGCCAGCCTCCTTTGAGAATGTCC  
GTGCCAAGTGGTACCCAGAGGTGCGGCACCACTGCCACACACACCCATCCTTCTGGTGGGCACCAAGCT  
GGACCTCCGTGATGACAAGGATACGATTGAACGGCTGCGGGACAAGAAGCTGGCACCCATAACCTACCCC  
CAAGGCCCTGGCCATGGCCCGAGAGATTGGTTCCGTCAAGTACCTGGAGTGCTCAGCTCTGACCCAGAGAG  
GTCTGAAGACAGTGTTCGACGAGGCCATCCGGGCTGTGCTCTGCCACCTCCAGTGAAAAAGCCAGGCAA  
GAAGTGCACTGTATT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_133223  
**Insert Size:** 579 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).



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<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_133223.4</a> , <a href="#">NP_573486.1</a>
<b>RefSeq Size:</b>	1078 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	170758
<b>UniProt ID:</b>	<a href="#">P60764</a>
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as cell spreading and the formation of actin-based protrusions including lamellipodia and membrane ruffles. Promotes cell adhesion and spreading on fibrinogen in a CIB1 and alpha-IIb/beta3 integrin-mediated manner (By similarity). [UniProtKB/Swiss-Prot Function]