

## Product datasheet for MR216711

### Rab37 (NM\_001163753) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab37 (NM\_001163753) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rab37  
**Synonyms:** B230331O03Rik; B230354I04Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR216711 representing NM\_001163753  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCTGCAGAGACCGGACTCCTACCAGGGCGGAGCTGGCCCTCATTTAGCGAGCATGTCCTACACA  
AGACATTCTGGTTGGTACAGCGGCGTTGGGAAGACATCTCTACTGGTTCAGTTTGACCAGGGGAAGTT  
CATCCCCGGCTCCTTCTCAGCCACCGTGGGTATCGGATCACAAATAAAGTGGTGACAGTGGATGGTGCC  
AGGGTGAAGCTTCAGATCTGGGACACTGCAGGACAGGAGCGCTTCGCAGTGTGACCCATGCTTATTACC  
GAGATGCTCAGGCTTTGCTCCTGTTGTATGACATCACCAACCAAGTCCCTTTTTGACAACATCAGGGCCTG  
GCTCACAGAGATTCATGAGTATGCCAGAGAGACGTGGTATTGCTTCTAGGCAACAAGGCCGATGTA  
AGCAGCGAAAGGGTGATCCGTTCTGAAGATGGAGAGACTGGCCAGGGAATATGGTGTTCCTTTTCATGG  
AGACCAGTGCCAAGACTGGCATGAACGTGGAGTTGGCCTTTCTGGCAATTGCCAAGGAAGTAAAATACCG  
TGCAGGGAGGCAGCCTGATGAGCCAGCTTCAGATCCGAGACTATGTGGAGTCCCAGAAGAAGCGCTCC  
AGCTGCTGCTCCTTTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR216711 representing NM\_001163753  
Red=Cloning site Green=Tags(s)

MDLQRPDSYQGGAGPHFSEHVLHKTILVGDGSGVGKTSLLVQFDQGKFIGSFSATVGIGFTNKVVTVDGA  
 RVKLQIWDTAGQERFRSVTHAYYRDAQALLLLYDITNQSSFDNIRAWL TEIHEYAQRDVMIMLLGNKADV  
 SSERVIRSEDGETLAREYGVPFMETSAKTGMNVELAFLAIKELKYRAGRQPDEPSFQIRDYVESQKKRS  
 SCCSFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



```

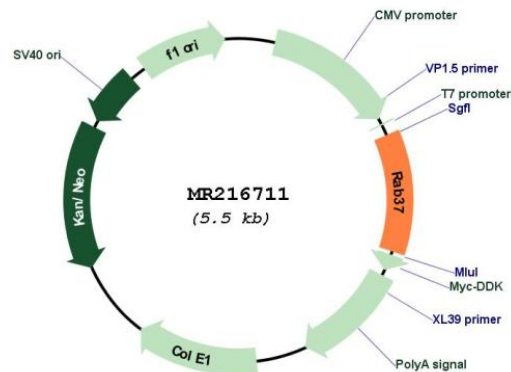
                                Kozac
                                Consensus
                                -----
EcoRI      BamHI Kpn I      RBS      SgfI
CTATAGGGCCGGCCGGGAATTCTGTCGACTGGATCCGGTACCAGGAGATCTGCCGCCGCGATCGC C ATG...NNN

ORF ATG...NNN * MluI      Not I      Xho I      Myc.Tag
ATG...NNN      ACG CGT  ACG CGG CCG CTC GAG CAG AAA CTC ATC TCA GAA GAG
                T R T R P L E Q K L I S E E

EcoR V      Flag.Tag      Pme I      Fse I
GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC
D L A A N D I L D Y K D D D D K V Stop
    
```

\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_001163753

**ORF Size:** 648 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001163753.1</a> , <a href="#">NP_001157225.1</a>
<b>RefSeq Size:</b>	2581 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	58222
<b>Cytogenetics:</b>	11 E2
<b>MW:</b>	24.6 kDa