

## Product datasheet for **MR216050**

### Reps1 (NM\_009048) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Reps1 (NM_009048) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Reps1                                    |
| Synonyms:                 | BB161292                                 |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide  
Sequence:**

>MR216050 representing NM\_009048  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGGCTTGACGCTGAGCGACGCCGAGCAGAAATACTACTCGGATCTTCTCTACTGCGACATCG  
 AGAGCACCAAGAAGGTGGTGGTCAACGGGCGAGTGCTCGAGCTGTTCCGGGCCGCGCAGCTGCCAACGA  
 CGTGGTCTCCAGATCATGGAGCTTTGTGGTGCAACAAGACTTGGTTATTTTGGAAAGTCAAGTCTAC  
 ATTGCTTTGAAGCTTGTAGCTGTGCCAGTCTGGTTTTCCATTAAGAGTGGAAAGTATAAACACTGTAA  
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 TTCAGATTCTGAAAACAGGGCTCTTACTCGGGTGTGATCCCCCTCTCCCGCAGAGGCCAAGTCAAG  
 AAGGGCCTGGAAGCCATGACGCGGTTACGCTCGTCCGCTGCAGAGCAGCAGGAACCTGTGTCTCCAG  
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 TCCTCTGCTGGTGTGCGGTGTGGTCTGGACAGTCCCCGCTCCACCTCAAGACAACCTGGGTCAAGTTTG  
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 GACTGTAGCCTCAGCTGCAACTGCCAATGAGATCCGTAGGCAATCCAGTAGTTATGAGGATCCCTGGAAG  
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 TCCCAGGATCTGCAGCTAAAGAGTTTTTACAATAAATAAACTTCTTCTTGAAGTTTCTCATATCTG  
 GAACTCTCAGACTTTGATAAAGATGGCGCATTGACACTGGATGAGTTTTGTGCTGCTTTTCATCTGGTA  
 GTTGTAGAAAAAATGGCTATGACCTACCAGAGAACTCCCTGAAAGCCTGATGCCAAGCTGATAGACT  
 TGGAAAGATTCGGCAGATGTGGGGAGCAGCCAGGTGAGGTAGGTTACTCAGGCTCTCTGCAGAGCACC  
 TCCAAGCAAGTCAACCGTGCATGCCGTCCCTGAACCAAGACATGGCCAGAGCTGAATCAGAGCAGTGAGCAG  
 TGGGAGACATTTAGTGAACGCTCTTCAAGCTCACAAACTCTGACCAATTTGATTCTAACATTGCACCAG  
 CTGATCCTGATACCGCTATTGTGCATCCAGTCCCCATCCGCATGACTCCAAGCAAATCCACATGCAGGA  
 AATGGAGCTGAAGAGAACAAGCAGCGATCACACTAATCCACCAGCCGTTGCTTGTGAAACCATCTGAC  
 CTTTCAGAAGAAAATAAAATCAATTCATCAGTAAAATTTCTTCTGAAAATACCGTAGATGGGTACAGTA  
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 AACGTCACCTGATAAACTGCGCCACCCTCCCCCTCCAGGCCACAGCCTTCTCATTCTAGATCATCA  
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 TGGTCTAATAACTCACACTAGTACCTCACCTCAGCAGATACCAGAACAACCAATTTTGCAGATTTACAGC  
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 CCAGGCATCCATTAGACGAAATAAGGAAACCAACACGGTTCTGGCCAGGCTGAACAGTGAATTGCAACAG  
 CAATTAAGGATGTTCTGGAGGAGAGAAATCTCCCTGGAAGTTCAACTGGAGCAGCTCCGACCGTTTTCTC  
 ACCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216050 representing NM\_009048  
 Red=Cloning site Green=Tags(s)

```
MEGLTLDAAEQYYSDLF SYCDIESTKKVVVNGRVLELFRAAQLPNDVVLQIMELCGATRLGYFGRSQFY
IALKLVAVAQSGFPLRVESINTVKDLPLPRFVASKNEQESRLAASYSSDSENQGSYSGVIPPPPGRGQVK
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SSAGDAVWVGQSPPPPQDNWVSFADTPPTSALLTMHPASVQDQTTVRTVASAATANEIRRQSSSYEDPWK
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VARKNGYDLPEKLPESLMPKLIDLEDSADVGEQPGVGVSGSPAEAPPSKSPSPSLNQTWPELNQSSEQ
WETFSESSSSQTLTQFDSNIAPADPDTAIVHPVPIRMTPSKIHMQEMELKRTSSDHTNPTSPLLVKPSD
LSEENKINSSVKFPGNTVDGYSSDSFSPDPEQIGSSVTRQRSHSGTSPDNTAPPPPPRPQPSHSRSS
SLDMNRTFAVTTGQQQAGVVAHPPAVPPRPQPSQAPGPSVHRPVDADGLITHTSTSPQQIPEQPNFADFS
QFEVFVAASNVEEQDSEAEKHPEVLP AEKASDPSSSLRAAQADSKAEKATNVPANVSKGTTPLAPPPK
PVRRLKSEDELRPDVEHTQKTGVLA AVLTSQPSIPRSVKGDKKAIQASIRRNKETNTVLARLNSELQQ
QLKDVLEERISLEVQLEQLRPFSL
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



- ACCN:** NM\_009048
- ORF Size:** 2385 bp
- OTI Disclaimer:** 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. [More info](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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.

**RefSeq:** [NM\\_009048.2](#), [NP\\_033074.2](#)

**RefSeq Size:** 2618 bp

**RefSeq ORF:** 2388 bp

**Locus ID:** 19707

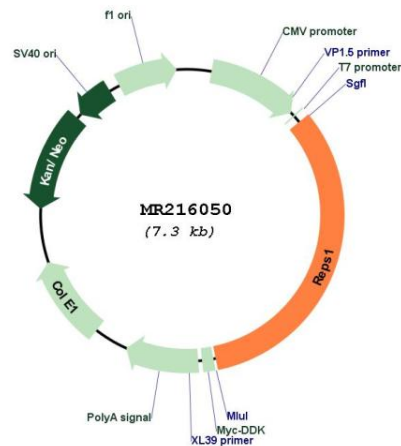
**UniProt ID:** [O54916](#)

**Cytogenetics:** 10 A3

**MW:** 87 kDa

**Gene Summary:** May coordinate the cellular actions of activated EGF receptors and Ral-GTPases. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR216050