

## Product datasheet for **MC221699**

### Reps1 (NM\_009048) Mouse Untagged Clone

#### Product data:

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



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Fully Sequenced ORF: >MC221699 representing NM\_009048  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAAGGCTTGACGCTGAGCGACGCCGAGCAGAAATACTACTCGGATCTTCTCTACTGCGACATCG  
AGAGACCAAGAAGGTGGTGGTCAACGGCGAGTGCTCGAGCTGTTCCGGGCCGCGCAGCTGCCAACGA  
CGTGGTCTCCAGATCATGGAGCTTGTGGTGCAACAAGACTTGGTTATTTGGAAAGAGTCAGTTCTAC  
ATTGCTTTGAAGCTTGTAGCTGTGCCAGTCTGGTTTTCCATTAAGAGTGGAAAGTATAAACACTGTAA  
AGGATCTCCCTCTCCACGATTTGTTGCTTCAAAGAATGAACAGGAATCTCGCCTTGACGCTCCTATTC  
TTCAGATTCTGAAAACAGGGCTCTTACTCGGGTGTGATCCCCCTCTCCCGCAGAGGCCAAGTCAAG  
AAGGGCCTGGAAGCCATGACGCGGTTACGCTCGTCCGCTGCAGAGCAGCAGGAACCTGTGTCTCCAG  
TAGTTTACCCCCAGCAGTCCCCACCACTTCTCCCCACACATGGAGGAAGCACAGCCGCCATCCCAGTGG  
GGGAATAGTGAGAGACCTTTACAGGACCGGGCCATTCTGGTCTCCTTTTGGTGTGCACAAGCAGGC  
TCCTCTGCTGGTGTGCGGTGTGGTCTGGACAGTCCCCGCTCCACCTCAAGACAACCTGGGTCAGTTTTG  
CAGATACTCCACCAACCAGTGTCTTTTAACTATGCATCCTGCTTCTGTCCAGGACCAGACGACAGTACG  
GACTGTAGCCTCAGCTGCAACTGCCAATGAGATCCGTAGGCAATCCAGTAGTTATGAGGATCCCTGGAAG  
ATAACAGATGAGCAGAGACAGTATTATGTAATCAGTTTAAAGACCATTACGCCTGACCTAAACGGATTTA  
TCCCAGGATCTGCAGCTAAAGAGTTTTTACAATAAATAAACTTCTTCTTGAAGTTTCTCATATCTG  
GAACTCTCAGACTTTGATAAAGATGGCGCATTGACACTGGATGAGTTTTGTGCTGCTTTTCATCTGGTA  
GTTGCTAGAAAAATGGCTATGACCTACCAGAGAACTCCCTGAAAGCCTGATGCCAAGCTGATAGACT  
TGGAAGATTCCGCAGATGTGGGGAGCAGCCAGGTGAGGTACTCAGGCTCTCCTGCAGAGCAGCACC  
TCCAAGCAAGTCAACCGTGCATGCCGTCCCTGAACCAGACATGGCCAGAGCTGAATCAGAGCAGTGAGCAG  
TGGGAGACATTTAGTGAACGCTCTTCAAGCTCACAACTCTGACCAATTTGATTCTAACATTGCACCAG  
CTGATCCTGATACCGCTATTGTGCATCCAGTCCCCATCCGCATGACTCCAAGCAAATCCACATGCAGGA  
AATGGAGCTGAAGAGAACAAGCAGCGATCACACTAATCCACCAGCCGTTGCTTGTGAAACCATCTGAC  
CTTTCAGAAGAAAATAAAATCAATTCATCAGTAAAATTTCTTCTGAAAATACCGTAGATGGGTACAGTA  
GCTCAGACTCTTCCCCTCTGACCCGGAGCAGATTGGGAGCAGTGAACCTCGTCAAAGGTCTCATTGAGG  
AACGTCACCTGATAAACTGCGCCACCCTCCCCCTCCAGGCCACAGCCTTCTCATTCTAGATCATCA  
TCTTTAGATATGAATCGACCTTTGCAGTTACCACAGGACAACAACAGGCTGGAGTTGTTGCCATCCTC  
CTGCAGTGCCTCAAGACCTCAGCCCTCACAGGACCCGCTCCTTCTGTCCATCGCCAGTGGATGCAGA  
TGGTCTAATAACTCACACTAGTACCTCACCTCAGCAGATACCAGAACAACCAATTTTGCAGATTTGAGC  
CAATTTGAAGTATTTGCTGCATCAAATGTCTCCGAAGAACAAGACAGTGAAGCTGAGAAACATCCTGAGG  
TCTTGCCAGCTGAGAAAGCTTCTGACCCCTCAAGCTCTCTTCGGGCTGCCAAGCGGACAGTAAAGCTGA  
AGAAAAGACAGCTACTAATGTTCTGCCAATGTGAGCAAAGGCACAACACCTCTGGCTCCACCACCAAAA  
CCTGTTAGAAGAAGATTAAGTCAAGATGAGTTACGGCCAGATGTGGATGAGCATACGCAGAAGACAG  
GGCTCTAGCTGCTGTTTAACATCACAGCCTTCTATCCAGATCTGTGGGAAAGATAAAAAGGCTAT  
CCAGGCATCCATTAGACGAAATAAGGAAACCAACACGGTTCTGGCCAGGCTGAACAGTGAATTGCAACAG  
CAATTAAGGATGTTCTGGAGGAGAGAACTCCCTGGAAGTTCAACTGGAGCAGCTCCGACCGTTTTCTC  
ACCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
ACCN: NM\_009048  
Insert Size: 2388 bp

|                               |   |
|-------------------------------|---|
| <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="#">NM_009048.2</a> , <a href="#">NP_033074.2</a>   |
| <b>RefSeq Size:</b>           | 2618 bp   |
| <b>RefSeq ORF:</b>            | 2388 bp   |
| <b>Locus ID:</b>              | 19707   |
| <b>UniProt ID:</b>            | <a href="#">O54916</a>  |
| <b>Cytogenetics:</b>          | 10 A3   |
| <b>Gene Summary:</b>          | May coordinate the cellular actions of activated EGF receptors and Ral-GTPases.<br>[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).   |