

## Product datasheet for **MR210234**

### **Reps1 (BC087547) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Reps1 (BC087547) 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:**

>MR210234 representing BC087547  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTTTGTGGTGCAACAAGACTTGGTTATTTTGAAGAAGTCAGTTCTACATTGCTTTGAAGCTTG  
 TAGCTGTTGCCAGTCTGGTTTTCCATTAAAGAGTGGAAAGTATAAACACTGTAAAGGATCTCCCTCTCCC  
 ACGATTTGTGCTTCAAAGAATGAACAGGAATCTCGCCTTGACAGCCTCCTATTCTTCAGATTCTGAAAC  
 CAGGGCTCTTACTCGGGTGTGATCCCCCTCTCCCGGACAGAGGCCAAGTCAAGAAGGGGCTGGAAGCC  
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 GTCCCCACCAACTTCTCCCCACACATGGAGGAAGCACAGCCGCCATCCAGTGGGGGAATAGTGAGAGA  
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 GCTATGACCTACCAGAGAACTCCCTGAAAGCCTGATGCCAAGCTGATAGACTTGAAGATTCCGCAGA  
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 TCACACTAATCCCACGAGCCGTTGCTTGTGAAACCATCTGACCTTTTCAGAAGAAAAATAAATCAATTCA  
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 ACCTCCCCCTCCAGGCCACAGCCTTCTCATTCTAGATCATCATCTTTAGATATGAATCGGACCTTTGCA  
 GTTACCACAGGACAACAACAGGCTGGAGTTGTTGCCATCCTCCTGCAGTGCCTCAAGACCTCAGCCCT  
 CACAGGCACCCGGTCTTCTGTCCATCGCCAGTGGATGCAGATGGTCTAATAACTCACACTAGTACCTC  
 ACCTCAGCAGATACCAGAACAACCAATTTTGCAGATTTAGCCAATTTGAAGTATTTGCTGCATCAAT  
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 CAATGTGAGCAAAGGCACAACACCTCTGGCTCCACCACCAAAACCTGTTAGAAGAAGATTAAGTCAGAA  
 GATGAGTTACGGCCAGATGTGGATGAGCATACGCAGAAGACAGGCGTCTAGCTGCTGTTCTAACATCAC  
 AGCCTTCTATTCCAGATCTGTGGGAAAGATAAAAAGGCTATCCAGGCATCCATTAGACGAAATAAGGA  
 AACCAACACGGTCTGGCCAGGCTGAACAGTGAATTGCAACAGCAATTAAGGATGTTCTGGAGGAGAGA  
 ATCTCCCTGGAAGTTCACTAGAGCAGTCCGACCGTTTTCTCACCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210234 representing BC087547  
 Red=Cloning site Green=Tags(s)

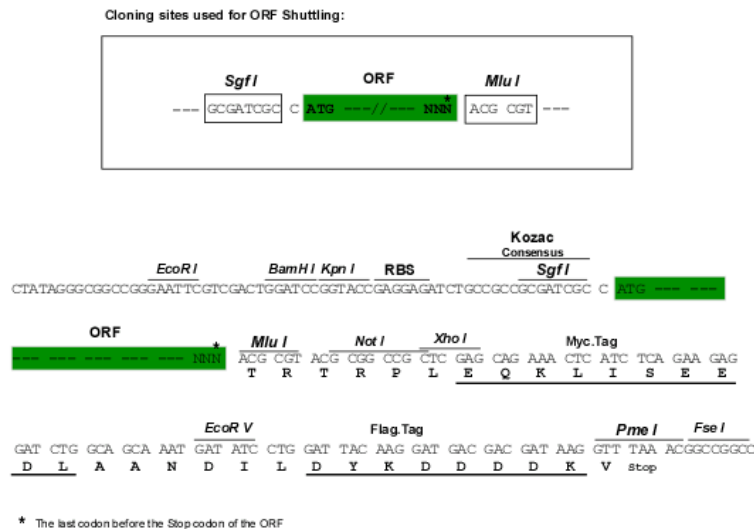
MELCGATRLGYFGRSQFYIALKLVAQAQSGFPLRVESINTVKDLPLPRFVASKNEQESRLAASYSSDSEN  
 QGSYSGVIPPGRGQVKKGPGSHDAVQPRPSAEQQEPVSPVSPQQSPPTSPHTWRKHSRHPSGGNSER  
 PLTGPGPFWSPFGDAQAGSSAGDAVWSGQSPPPQDNWVSFADTPPTSALLTMHPASVQDQTTVRTVASA  
 ATANEIRRQSSSYEDPWKITDEQRQYYVNQFKTIQPDNLNGFIPGSAAKEFFTKSKLPIELSHIWELSDF  
 DKDGALTDEFCAAFHLVVARKNQYDLPEKLPESLMPKLIIDLESDADVGEQPGEVGYSGSPAEAPPSKSP  
 SMPSLNQTWPELNQSSSDTAIVHPVPIRMTPSKIHMQEMELKRTSSDHTNPTSPLLVKPSDLSEENKINS  
 SVKFPSGNTVDGYSSDSFSPDPEQIGSSVTRQRSHSGTSPDNTAPPPPPRPQPSHSRSSSLDMNRTFA  
 VTTGQQQAGVVAHPPAVPPRPQPSQAPGPSVHRPVDADGLIHTSTSPQQIPEQPNFADFQFEVFAASN  
 VSEEQDSEAEKHPEVLPAAKASDPSSSLRAAQADSKAEKATNPVANSKGTTPAPPKPVRRRLKSE  
 DELRPDVDEHTQKTGVLAAVLTSQPSIPRSVGKDKKAIQASIRRNKETNTVLARLNSELQQQLKDVLEER  
 ISLEVQLEQLRPFSLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9042\\_f03.zip](https://cdn.origene.com/chromatograms/mm9042_f03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC087547

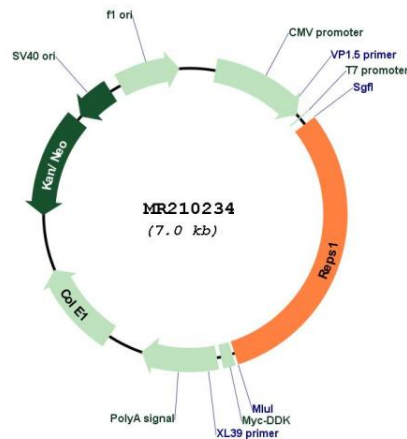
**ORF Size:** 2148 bp

**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.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u><a href="#">BC087547.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>           | 2505 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2150 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 19707                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 10 A3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>                    | 91.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | May coordinate the cellular actions of activated EGF receptors and Ral-GTPases.<br>[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                      |

## Product images:



Circular map for MR210234