

Product datasheet for **MC226590**

Reep2 (NM_001204914) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reep2 (NM_001204914) Mouse Untagged Clone
Tag: Tag Free
Symbol: Reep2
Synonyms: MGC28827
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226590 representing NM_001204914
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGTCTGGATCATCTCTCGCCTGGTGGTGCATCTTTGGCACCTGTACCCAGCCTATTCTTCTCT
ACAAGGCCGTGAAGACCAAAAACGTGAAGGAATACGTAATGGATGATGATTGGATAGTCTTCGCCTT
CTTCACCACAGCTGAGACACTTACAGATAAATACTGCTCTGGTTCCTTCTACTTTGAGCTCAAGATT
GCCTTTGTGATATGGCTGTTGTCCCTTACACCAAGGGCTCCAGTGTCTCTACCGCAAGTTCGTGCACC
CAACACTGTCCAACAAGGAAAAGGAGATCGACGAATACATCACACAAGCTCGAGACAAGAGCTATGAGAC
GATGATGAGGGTGGGCAAGAGGGGCTGAACCTGGCTGCCAATGCTGCAGTACAGCTGCTGCCAAGGGG
GTGCTGTCGAAAAGCTGCGGAGCTTACAGATGCAGGACCTGACTCTCATTGAGATGAGGATGCGTTAC
CGCTGCAGGGGCCAGATGGCCGCTCCAACCCGGCCCGTGGTCTCTGGACACTATTGAGGACTTAGG
AGATGAGCCTGCCCTAAGTCTAAGGTCTAGCACAAGCCAGCCAGATCCCCGGACAGAGACCTCAGAAGAT
GACCTGGGAGACAAGGCACCCAAGAGGACCAACCTATCAAAAAGTACCCAGAGCTGAGCCGCCGGCTT
CCAAGACTGAAGACCCGCCCCAAGAAGAAGATTCTGGAGGGGCGACTCAGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001204914
Insert Size: 759 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001204914.1, NP_001191843.1</u>
RefSeq Size:	1920 bp
RefSeq ORF:	759 bp
Locus ID:	225362
UniProt ID:	<u>Q8VCD6</u>
Cytogenetics:	18 B1
Gene Summary:	<p>Required for endoplasmic reticulum (ER) network formation, shaping and remodeling. May enhance the cell surface expression of odorant receptors (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>