

Product datasheet for MR202048

Reep1 (NM_178608) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reep1 (NM_178608) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Reep1
Synonyms: D6Ertd253e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202048 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTCTGGATCATCTCCAGGCTGGTGGTCTTATATTTGGCACCCTTTATCCTGCATATTATTCAT
ACAAGGCTGTGAAGTCCAAGGACATTAAGAATATGTCAAATGGATGATGATTGGATTATTTGCCCT
CTTACCACGGCAGAGACGTTCCACAGACATCTTCCTTTGCTGGTTCCATTCTATTATGAACTAAAAATA
GCGTTTGTAGCCTGGCTGCTGTCTCCCTATACAAAAGGATCCAGCCTCCTGTACAGGAAGTTTGTTCATC
CCACATTGTCTTCAAAGAAAAGGAAATCGATGACTGCCTGGTCCAAGCAAAGATCGAAGCTATGACGC
CCTTGTGCACTTTGGGAAGCGGGGCTTGAATGTGGCAGCCACTGCAGCTGTGATGGCTGCCTCAAGGGA
CAGGGTGCCTTGTGAGAGACTCCGGAGCTTCAGCATGCAGGACCTCACCACCATCAGGGGTGATGGTG
CTCCTGCTCCCTCGGGCCCTCTCCACCAGGGACTGGGCGGTCCAGCGGCAAACAGCCAGCCCAAGAT
GTCCAGGAGTGCTTCTGAGAGTGCCGGCAGCTCGGGCACCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202048 protein sequence
 Red=Cloning site Green=Tags(s)

MVSWIISRLVVLIFGTLYPAYYSYKAVKSKDIKEYVKWMMYWIIFALFTTAETFTDIFLCWFPFYELKI
AFVAVLLSPYTKGSSLLYRKVFHPTLSSKEKEIDDCLVQAKDRSYDALVHFGKRGLNVAATAAVMAASKG
QGALSERLRSFSMQDLTIRGDGAPSPGPPPGTGRSSGKHSQPKMSRSASESAGSSGTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178608

ORF Size: 606 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_178608.4](#), [NP_848723.1](#)

RefSeq Size: 3815 bp

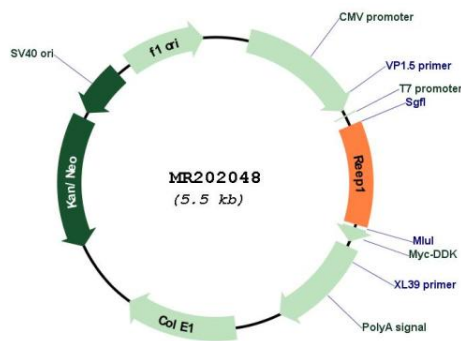
RefSeq ORF: 606 bp

Locus ID: 52250

UniProt ID: [Q8BGH4](#)

Cytogenetics:	6 32.2 cM
MW:	22.3 kDa
Gene Summary:	Required for endoplasmic reticulum (ER) network formation, shaping and remodeling; it links ER tubules to the cytoskeleton. May also enhance the cell surface expression of odorant receptors (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202048