

Product datasheet for **MC211054**

Reep6 (NM_139292) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reep6 (NM_139292) Mouse Untagged Clone
Tag: Tag Free
Symbol: Reep6
Synonyms: 0610011M24Rik; Dp111
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211054 representing NM_139292
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACGGTCTGCGCCAGCGCTTCGAACGTTTTCTGGAACAGAAGAACGTGGCCACCGAAGCGCTCGGG
CGCTCGAAGCAAGGACCGGTGTAGAGAAGCGGTATCTCGCCGCGGAGCCCTCGCCCTTCTAGGCCGTGA
TCTTCTGTTCGGTTACGGGGCCTCTCTACTGTGCAATGTCATCGGATTTGTATACCCCGCATATGCTTCA
GTCAAAGCTATCGAGAGCCCAAGCAAGGAAGACGACACTGTGTGGCTAACCTACTGGGTGGTGTAGCC
TGTTTCGGTCTGGTCAATTCTTCAGCGATCTACTCCTGTTCTGGTTCCCTTTCTACTACGCGGGCAAGT
CGCCTTCTGTTATTTTGCATGACGCCCCGACCCTGGAACGGGGCATTACTACTATACCATCGCGTCATA
AGACCACTCTTTCTAAAGCACCACATGGCTCTAGACAGCGCCGCGAGCCAGCTAAGCGGAAGAGCATTGG
ACCTAGCAGCTGGGATAACCCGGGACGTACTTCAGGCCTTGGCTCGGGGCCGGGCTCTCGTCACCCAGC
ATCAACATCGGAACCCCGCCGCTCTGGAACGGACCCCAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_139292
Insert Size: 606 bp
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).



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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:	NM_139292.2 , NP_647453.1
RefSeq Size:	2036 bp
RefSeq ORF:	606 bp
Locus ID:	70335
UniProt ID:	Q9JIM62
Cytogenetics:	10 C1
Gene Summary:	Required for correct function and survival of retinal photoreceptors (PubMed:24098485, PubMed:24691551, PubMed:28475715). Required for retinal development (PubMed:28369466). In rod photoreceptors, facilitates stability and/or trafficking of guanylate cyclases and is required to maintain endoplasmic reticulum and mitochondrial homeostasis (PubMed:28475715). May play a role in clathrin-coated intracellular vesicle trafficking of proteins from the endoplasmic reticulum to the retinal rod plasma membrane (PubMed:24098485, PubMed:28369466).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).