

Product datasheet for MC226072

Reep6 (NM_001204931) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Reep6 (NM_001204931) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Reep6
Synonyms:	0610011M24Rik; Dp111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226072 representing NM_001204931 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGGTCTGCGCCAGCGCTTCAACGTTTTCTGGAACAGAAGAAGCTGGCCACCGAAGCGCTCGGGG
 CGCTCGAAGCAAGGACCGGTGTAGAGAAGCGGTATCTCGCCGCGGGAGCCCTCGCCCTTCTAGGCCTGTA
 TCTTCTGTTGGTTACGGGGCTCTCTACTGTGCAATGTCATCGGATTTGTATACCCCGCATATGCTTCA
 GTCAAAGCTATCGAGAGCCCAAGCAAGGAAGACGACACTGTGTGGCTAACCTACTGGGTGGTGTACGCC
 TGTTCCGTCTGGTCAATTCTTCAGCGATCTACTCTGTTCTGGTCCCTTTCTACTACGCGGGCAAGTG
 CGCCTTCCTGTTATTTTGCATGACGCCCGACCCCTGGAACGGGGCATTACTACTATACCATCGCGTCATA
 AGACCACTCTTTCTAAAGCACCATGGCTCTAGACAGCGCCGCGAGCCAGCTAAGCGGAAGAGCATTGG
 ACCTAGCAGCTGGGATAACCCGGGACGCCAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001204931
Insert Size:	525 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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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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001204931.1</u> , <u>NP_001191860.1</u>
RefSeq Size:	1935 bp
RefSeq ORF:	525 bp
Locus ID:	70335
UniProt ID:	<u>Q9JIM62</u>
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 (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.