

Product datasheet for **RN215121**

Reep6 (NM_001013218) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reep6 (NM_001013218) Rat Untagged Clone
Tag: Tag Free
Symbol: Reep6
Synonyms: Dp111
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215121 representing NM_001013218
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGGTCTGCGCCAGCGCTTCGAACGTTTTCTGGAACAGAAGAACGTGGCCACCGACGCGCTGGGG
CGCTCGAAGCCAGGACCGGTGTAGAGAAGCGGTATCTCGCCGCGGAGCCCTCACCTTCTAGGCCGTGA
TCTTCTGTTCCGGCTACGGGGCGTCTCTACTTTGCAATGTCATCGGATTTGTATACCCCGCATATGCTTCA
GTCAAAGCTATCGAGAGCCAAACAAGGAAGACGACACTGTGTGGCTAACCTACTGGGTGGTGTACGCC
TGTTCCGGTCTAGTCGAGTCTTTCAGCGATCTACTCCTGTTCTGGTTCCCTTTCTACTACGCGGGCAAGT
CGCCTTCTATTATTTTGCATGACACCCGGGCCCTGGAACGGGGCATTGCTACTGTATCATCGCGTCATA
AGACCTCTGTTTCTAAAGCACCACGTGGCTCTAGACAGCGCCGCGAGCCAGCTAAGCGGAAGAGCATTGG
ACATAGCAGCTGGGATAACCAGGGACGTGCTACAGGCCTTGGCTCGGGTCCGGACTCTCGTAACCCAGC
ATCAGCATCGGAGTCCCCAGCCGCTCTGGAACCGGACCCCAAGTCAAGTCAGACCACACTCTGAAGCAC
AAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013218
Insert Size: 636 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).
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_001013218.1</u> , <u>NP_001013236.1</u>
RefSeq Size:	2152 bp
RefSeq ORF:	636 bp
Locus ID:	362835
UniProt ID:	<u>Q5XI60</u>
Cytogenetics:	7q11
Gene Summary:	Required for correct function and survival of retinal photoreceptors (By similarity). Required for retinal development (By similarity). In rod photoreceptors, facilitates stability and/or trafficking of guanylate cyclases and is required to maintain endoplasmic reticulum and mitochondrial homeostasis (By similarity). May play a role in clathrin-coated intracellular vesicle trafficking of proteins from the endoplasmic reticulum to the retinal rod plasma membrane (By similarity).[UniProtKB/Swiss-Prot Function]