

Product datasheet for MC207121

Reep6 (BC029741) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Reep6 (BC029741) 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:	>BC029741 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGTCTGCGCCAGCGCTTCAACGTTTTCTGGAACAGAAGAAGCTGGCCACCGAAGCGCTCGGGG
CGCTCGAAGCAAGGACCGGTGTAGAGAAGCGGTATCTCGCCGGGAGCCCTCGCCCTTCTAGGCCGTGA
TCTTCTGTTCCGGTACGGGGCTCTCTACTGTGCAATGTCATCGGATTTGTATACCCGCATATGCTTCA
GTCAAAGCTATCGAGAGCCAAGCAAGGAAGACGACACTGTGTGGCTAACCTACTGGGTGGTGTACGCC
TGTTCCGGTCTGGTCAATTCTTACGCGATCTACTCCTGTTCTGGTCCCTTCTACTACGGGGCAAGTG
CGCCTTCTGTTATTTTGCATGACGCCCGACCCCTGGAACGGGGCATTACTACTATACCATCGCGTCATA
AGACCACTCTTTCTAAAGCACCATGGCTCTAGACAGCGCCGGAGCCAGCTAAGCGGAAGAGCATTGG
ACCTAGCAGCTGGGATAACCCGGGACGCCAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	BC029741
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).



[View online »](#)

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>BC029741, AAH29741</u>
RefSeq Size:	1949 bp
RefSeq ORF:	524 bp
Locus ID:	70335
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]