

Product datasheet for MC209296

Rax (NM_013833) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rax (NM_013833) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rax
Synonyms: 7530406A22Rik; E130303K03Rik; ey-1; ey1; Rx
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209296 representing NM_013833
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACCTGCCGGGCTGCGGCCAGCCATGGCGGACGGGAGCTTCTCGCTCGCTGCCACCTGCTCCGCA
 GCCCGGGCGGGAGCAGTCGCGTTTGCACAGCATCGAAGCCATCCTGGGCTTTACCAAGGAAGACGGCAT
 CCTAGACACCTTTCTGCAGAGAGGAGCTCCAGGAGCTCGAAAGAGCGGGATCCCAGGCTGGGCGCGCAG
 CCTGCCTGCCCAAGGCGCCAGCCGAGGCTCCGAGTCTTCCCCACCAGCAGCCCGGGATTCGTCCCGG
 AGTACGAAGCTACTAGGCCCTGCTACCCCAAGGAGCAAGGAGAAGCACGTCCGAGCCAGGACTCTCGGT
 TGGGCCAGCAGCAGGCGACTCGAAGCTGTCCGAGGAGGAACCTCCCAAGAAGAAGCATCGACGCAACCGC
 ACGACGTTCAACCACTTACCAACTGCACGAGCTGGAGCGCGCCTTCGAGAAGTCCCACTACCCCGACGTGT
 ACAGCCGGAAGAGCTGGCCGCAAGGTTAACCTACCCGAGGTTCCGGTCCAGGTATGGTTCCAGAACCG
 ACGGGCTAAGTGGAGGCGCCAGGAGAACTGGAAGTGTCTCATGAAGCTGCAGGATTCTCCCTCCTC
 TCCTTCAGCCGCTCCCGCCTTCTCGGCACTGGCCCGCTGGGAACCGCCCGGCGAGCGGAGCGGAC
 CTCCGGGAGCGCCCTGCCGCTGGAGCCTGGCTTGGGCCACCGCTGCCGAGGAGGCCACAGCGCT
 GCAGAGCCTGCCGGATTCGGGCGCCGGGCGAGGCTCTCCCGCCAGCTACACGCCACCACCGCCCTTC
 CTGAACTCCGCGCCCTGGGTCCAGTCTGCAGAGCTCGGGCCACCGCCCGCTACCCCTGCGCGCCGG
 CATTCCGGGACAAGTTCTCGCTGGAAGAGGCGTACCCGCGCAACAGCAGCATCGCCGCTCTGCGCTGAA
 GGCCAAAGAGCACATCCAGGCCATCGGAAAGCCCTGGCAAGCCCT**TAG**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013833



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Insert Size:	1029 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).
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_013833.2 , NP_038861.2
RefSeq Size:	1687 bp
RefSeq ORF:	1029 bp
Locus ID:	19434
UniProt ID:	O35602
Cytogenetics:	18 39.03 cM
Gene Summary:	Plays a critical role in eye formation by regulating the initial specification of retinal cells and/or their subsequent proliferation. Binds to the photoreceptor conserved element-I (PCE-1/Ret 1) in the photoreceptor cell-specific arrestin promoter (By similarity).[UniProtKB/Swiss-Prot Function]