

Product datasheet for MC210112

Pate4 (NM_020264) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pate4 (NM_020264) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pate4
Synonyms: 9530004K16Rik; Pate-B; Svs7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210112 representing NM_020264
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATTCAGTGACGAAAATCAGCACACTGCTCATCGTGATTTTATCCTTTCTCTGTTTTGTGGAGGGTC
 TGATCTGTAATTCATGTGAAAAGTCACGAGATTCAAGATGTACAATGTCACAAAGCAGATGCGTTGCAAA
 ACCTGGTGAATCATGCAGTACCGTATCACACTTGTGGAAACAAAGCATGTGTACTCAAAGCAAATGTGC
 TCGCCTCAGTGAAGGAAAACAGCTTAACACTGGAAAGAAGTTGATTTACATAATGTGCTGCGAAAAAA
 ACTTGTGTAATAGCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020264
Insert Size: 300 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).



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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.

RefSeq: [NM_020264.4](#), [NP_064660.2](#)

RefSeq Size: 1016 bp

RefSeq ORF: 300 bp

Locus ID: 56872

UniProt ID: [Q09098](#)

Cytogenetics: 9 A4

Gene Summary: Enhances sperm motility. Binds to calmodulin and inhibits calcium transport into spermatozoa. May modulate the function of nicotinic acetylcholine receptors.
[UniProtKB/Swiss-Prot Function]