

Product datasheet for **MC209851**

Prok2 (NM_015768) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prok2 (NM_015768) Mouse Untagged Clone
Tag: Tag Free
Symbol: Prok2
Synonyms: Bv8; PK2; Prok1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209851 representing NM_015768
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGACCCGCGCTGTGCCCGCTACTGCTACTTCTGTGCTACCGCTGCTGTTACACCCGCCGCCG
GGGATGCCGGTCATCACCGGGCTTGCACAAAGGACTCTCAGTGCGGAGGAGGCATGTGCTGTGCTGT
CAGTATCTGGGTTAAGAGCATAAGGATCTGCACACCTATGGCCAAGTGGGCGACAGCTGCCACCCCTG
ACTCGGAAAAGTCATGTTGCAAAATGGAAGGCAGGAAAGAAGAAGGCGAAGAGAAGAAAGAGGAAGAAGG
AGGTTCCATTTTGGGGCGGAGGATGCACCACACTGCCCTGCCTGCCAGGCTTGGCGTGTAAAGGAC
TTCTTTCAACCGTTTATTTGCTTGGCCCGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_015768

Insert Size: 387 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).



[View online >](#)

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_015768.2](#), [NP_056583.1](#)

RefSeq Size: 1513 bp

RefSeq ORF: 387 bp

Locus ID: 50501

UniProt ID: [Q9QXU7](#)

Cytogenetics: 6 46.29 cM

Gene Summary: May function as an output molecule from the suprachiasmatic nucleus (SCN) that transmits behavioral circadian rhythm. May also function locally within the SCN to synchronize output. Potently contracts gastrointestinal (GI) smooth muscle (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.