

Product datasheet for **MR200121**

Nrgn (NM_022029) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nrgn (NM_022029) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nrgn
Synonyms: 0710001B06Rik; AI838505; NG; NG/RC3; Pss1; R75334; RC3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200121 representing NM_022029
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTGCTGCACGGAGAGCGCCTGCTCCAAGCCAGACGACGATATTCTTGACATCCCGCTGGATGATC
CCGGAGCCAACGCCGCTGCAGCCAAAATCCAGGCGAGTTCCGGGGCCACATGGCGAGGAAGAAGATAAA
GAGCGGAGAGTGTGGCCGAAGGGACCGGGCCCCGGGGACCAGGCGGAGCTGGGGCGCCCGGGGAGGC
GCGGGCGCGGCCCCAGCGGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200121 representing NM_022029
Red=Cloning site Green=Tags(s)
MDCCTESACSKPDDDILDIPLDDPGANAAAQIQASFRGHMARKKIKSGECGRKGPGGPGGAGGARGG
AGGGPSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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_022029.2](#)

RefSeq Size: 1354 bp

RefSeq ORF: 237 bp

Locus ID: 64011

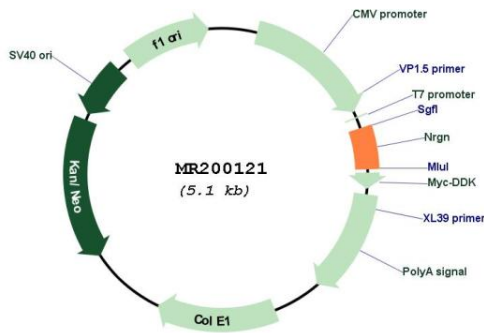
UniProt ID: [P60761](#)

Cytogenetics: 9 20.78 cM

MW: 7.9 kDa

Gene Summary: Regulates the affinity of calmodulin for calcium. Involved in synaptic plasticity and spatial learning.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200121