

Product datasheet for MR221053

Nat8l (NM_001001985) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nat8l (NM_001001985) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nat8l
Synonyms: 1110038O08Rik; Shati
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221053 representing NM_001001985
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATTGTGGGCTCCCGACATGGTCTGCGAGACGAAGATCGTGGCTACGGAGGACCATGAGGCACTGC
 CGGGGGCCAAGAAGGACGCGTCTCGTCGCCCGGAGCCATGTGGCCCCGCTGCCCGCCGCCCCGG
 GCCGGCCCGCACCCCCACCCGCGCAGGTCCCCAGCCCCACGGAGGCACCGGGGGCGCGGGGCCCGC
 GAGGGGCGCGCGTGTGCATCCGCGAGTCCGCGCAGCCGAGCAGGAGGGCGCGCCGCATCTTCTACG
 ACGGCATCTTGGAGCGCATCCCCAACACGGCTTCCGCGCCTGCGGCAGCACCCGCGCACCCAAGTCT
 CTACGCCCTGCTGGCCGCCCTCTGTTTTGCTGTGACCCGCTCACTGCTGCTGACATGCCTGGTGCCGGCC
 GGGCTCCTGGCCCTGCGCTACTACTACAGCCGCAAGGTGATTCTGGCCTACCTGGAGTGTGCGCTGCACA
 CGGACATGGCTGACATTGAGCAGTACTACATGAAGCCACCTGGTTCCTGTTTCTGGGTGGCTGTGCTGGA
 CGGCAACGTTGTGGGCATCGTGGCCGCACGGGCCATGAGGAGGACAACACAGTGGAGTCTCCGCATG
 TCCGTGGACTCGCGTTCGCGGAAAAGGCATCGCAAGGCTCTGGGCAGGAGGGTGTGGAGTTTGCCA
 TGCTGCACAACACTCTGCAGTGGTACTGGGCACCACAGCCGTTAAGGTGGCCGCCACAAGCTCTATGA
 GTCCTGGGCTTCAGACACATGGGCGCAGTGTACTACTACGTGCTGCCTGGCATGACCCCTCTCGTGGCC
 GAGCGCCTCTTCCAGGTCCGCTACCACCGTACCCTGCAGCTGCGCGAGGAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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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_001001985.3](#), [NP_001001985.3](#)

RefSeq Size: 6529 bp

RefSeq ORF: 900 bp

Locus ID: 269642

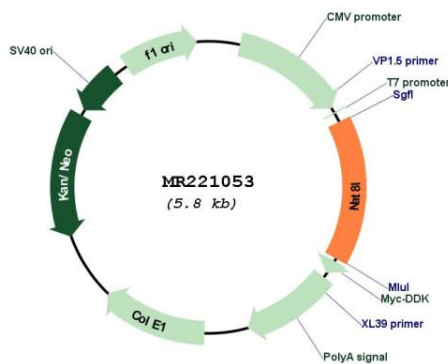
UniProt ID: [Q3UGX3](#)

Cytogenetics: 5 B2

MW: 33.2 kDa

Gene Summary: Plays a role in the regulation of lipogenesis by producing N-acetylaspartate acid (NAA), a brain-specific metabolite. NAA occurs in high concentration in brain and its hydrolysis plays a significant part in the maintenance of intact white matter. Promotes dopamine uptake by regulating TNF-alpha expression. Attenuates methamphetamine-induced inhibition of dopamine uptake.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221053