

Product datasheet for MR202218

Nkain4 (NM_021426) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nkain4 (NM_021426) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nkain4
Synonyms: AB030182; C030019F02Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202218 representing NM_021426
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCTTTTGGCTCCGGCCGCTGCACGCTTCTTGCCTCTGCGCTCTGCAGCTGGTCACAGCTCTGGAAC
 GGCAAGTCTTTGACTTCTGGGTACCAGTGGCACCACCTCGGCCAACTTCACCCACATCATCGTGGT
 CATCTTGGGGCTTTCGGCACCATTCAATACCGGCCACGCTACATCGTGGTGTATGTTGTATGGGCAGT
 GTCTGGGTACCTGGAATGTCTTCAATATCTGCTTCTACCTGGAAGTGGGGGCCTCAAAGGACAGT
 AACTTTTGACCTCAATCTCTCTGGGCATGTTCTCTGGTGGGAAGAGCATGGCCAGGCTGTCTTACGA
 GGAGGAGCCACAGCTGGCTGGGTGCACTGCATGGACAGTCCTTGGTGGTGGTGGTGGTGGTGGTGGT
 GTGCACAGCTATGTGGAAGCCCTGCATAGTGGCCTGCAGATCCTGCTAGCGCTCCTGGGTTTTGTCTATG
 GTTGCTACGTGGTCAAGCTGCTCACAGAAGAAGAGGACAGCTTTGATTTCAATGGTGGATTTGACCCATT
 CCCCTGTACCATGTCAATGAAAAGCCGTCCAGCCTCTTGTCCAAGCAGGCATATTTGCCTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202218 representing NM_021426
 Red=Cloning site Green=Tags(s)

MGFCSGRCTLLALCALQLVTALERQVDFDLGYQWAPILANFTHIIVVILGLFGTIQYRPRYIVVVVWAA
 VVVTWNVFIICFYLEVGGLSKDSSELLTFNLSGHRSWWEEHGPCLHEEEATAGLGALHGQSLVVGAGCAM
 VHSYVEALHSQLQILLALLGFVYGCYVSVL TEEEDSDFDIGGFDPFPL YHVNEKPSLLSKQAYLPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

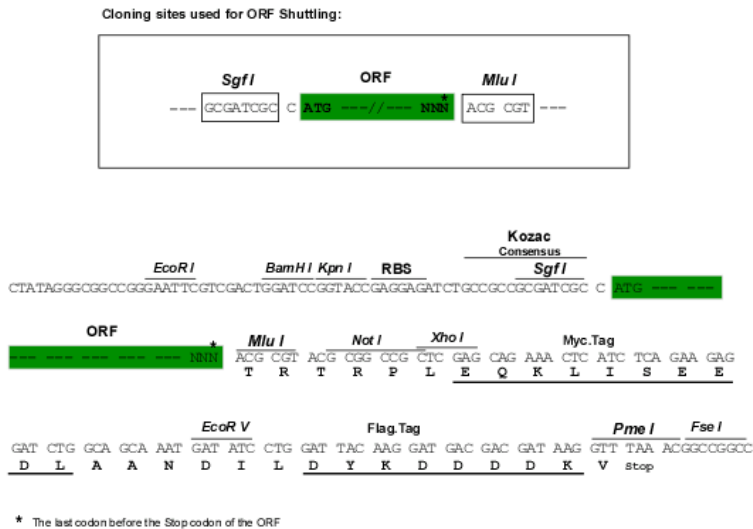


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Chromatograms: https://cdn.origene.com/chromatograms/mm9025_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021426

ORF Size: 624 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_021426.4](#), [NP_067401.3](#)

RefSeq Size: 950 bp

RefSeq ORF: 627 bp

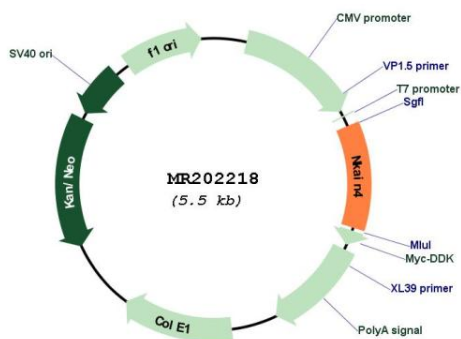
Locus ID: 58237

UniProt ID: Q9JMG4

Cytogenetics: 2 H4

MW: 23.5 kDa

Product images:



Circular map for MR202218