

## Product datasheet for MR220839

### Nkain2 (NM\_001013411) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nkain2 (NM\_001013411) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nkain2  
**Synonyms:** 6330571D19Rik; AW455467; Tcba1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220839 representing NM\_001013411  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGTTATTGCAGTGGCAGGTGCACGCTTATCTTTATCTGTGGCATGCAACTGGTTTGTGTGCTAGAGA  
 GGCAAATATTTGATTTCCCTGGATATCAGTGGCACCTATCCTGGCAAATTTGTACATAAATCATCGT  
 CATCCTGGGTTGTTGGAATTTCAATATAGACCTCGTTACGTAACAGGATATGCTGTCTGGCTAGTT  
 CTCTGGGTGACCTGGAATGTATTTGTTATCTGCTTCTATTTGGAGGCTGGAGATCTCTCAAAGGAAACAG  
 ACCTTATCCTGACATTTAATATTTCAATGCACCGATCTTGGTGGATGGAGATGGACCAGGATGTATGGT  
 GACGCTGTGACACCTGCCCCAGACTGGGCTCCAGAAGACCATCGCTACATCACTGTCTCAGGGTGT  
 CTGGACTACCAATACATAGAAGTGGCTCATAGTTCCCTCCAGATTGTCCTCGCACTGGCGGGCTTCATCT  
 ATGCTGTATGTTGTGAGATGTATAACTGAAGAAGAGGACAGCTTTGACTTCATAGGTGGCTTTGATTC  
 TTATGGATACCAAGGCCTCAGAAGACATCTCACTTACAACCTCAACCAATGTACATGTCAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220839 representing NM\_001013411  
 Red=Cloning site Green=Tags(s)

MGYCSGRCTLIFICGMQLVCLERQIFDFLGYQWAPILANFVHIIIVILGLFGTIQYRPRVYVYAVWL  
 LWVTWNVFVICFYLEAGDLKETDLILTFNISMHRSSWMENGPVMVTSVTPAPDWAPEDHRYITVSGCF  
 LDYQYIEVAHSSLQIVLALAGFIYACYVVRCTEEEDSFDFIGGFDSYGYQGPQKTSHLQLQPMYSK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9025\\_b06.zip](https://cdn.origene.com/chromatograms/mm9025_b06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001013411

**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\\_001013411.2](#), [NP\\_001013429.2](#)

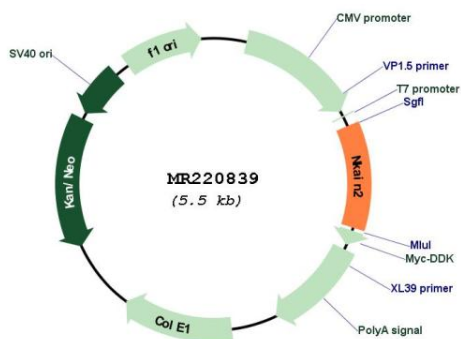
**RefSeq Size:** 3205 bp

**RefSeq ORF:** 627 bp

**Locus ID:** 432450

UniProt ID: Q4PNJ2  
 Cytogenetics: 10 A4  
 MW: 24.3 kDa

**Product images:**



Circular map for MR220839