

## Product datasheet for **MG220840**

### **Nkain2 (NM\_001025286) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nkain2 (NM\_001025286) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Nkain2  
**Synonyms:** 6330571D19Rik; AW455467; Tcba1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220840 representing NM\_001025286  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTTATTGCAGTGGCAGGTGCACGCTTATCTTTATCTGTGGCATGCAACTGGTTTGTGTGCTAGAGA  
GGCAAATATTTGATTTTCCTTGGATATCAGTGGGCACCTATCCTGGCAAATTTGTACATAAATCATCGT  
CATCCTTGGGTTGTTGGAATTTCAATATAGACCTCGTTACGTAACAGGATATGCTGTCTGGCTAGTT  
CTCTGGGTGACCTGGAATGTATTTGTTATCTGCTTCTATTTGGAGGCTGGAGATCTCTCAAAGGAAACAG  
ACCTTATCCTGACATTTAATATTTCAATGCACCGATCTTGGTGGATGGAGATGGACCAGGATGTATGGT  
GACGCTGTGACACCTGCCCCAGACTGGGCTCCAGAAGACCATCGCTACATCACTGTCTCAGGGTGT  
CTGGACTACCAATACATAGAAGTGGCTCATAGTTCCCTCCAGATTGTCCTCGCAGTAAGTGTGACAACA  
AACCACCTCTTCTAGTGTCTGGAATGTTTTCTGGGCAAACACTGTGTGCAAAAGGACTGTATGTT  
GATGTGGAATGTGTGGGCATTTTTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG220840 representing NM\_001025286  
Red=Cloning site Green=Tags(s)

MGYCSGRCTLIFICGMQLVCLERQIFDFLGYQWAPILANFVHIIIVILGLFGTIQYRPRVYVYAVWL  
LWVTWNVFVICFYLEAGDLSKETDLILTFNISMHRSSWMENPGCMVTSVTPAPDWAPEDHRYITVSGCF  
LDYQYIEVAHSSLQIVLAVSVDNKPLLLVFLELFFLGKHCYQKDCMLMWNVCGHFF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

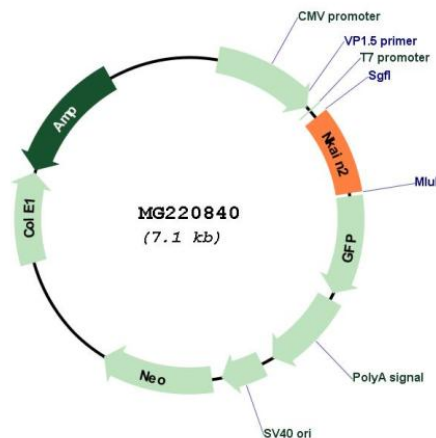


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001025286

ORF Size: 588 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\\_001025286.2](#), [NP\\_001020457.2](#)

**RefSeq Size:** 1233 bp

**RefSeq ORF:** 591 bp

**Locus ID:** 432450

**UniProt ID:** [Q4PNJ2](#)

**Cytogenetics:** 10 A4