

## Product datasheet for MR217554

### Cnih3 (NM\_028408) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cnih3 (NM\_028408) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cnih3  
**Synonyms:** 2900075G08Rik; CNIH-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR217554 representing NM\_028408  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTTCACTTTCGCTGCTTCTGCTACATGCTGTCCCTGGTCTGCGCTGCGCTCATCTTTTTCG  
CTATCTGGCACATAATCGCCTTTGACGAGCTAAGAACGGATTTCAAGAGTCCCATAGACCAGTGAACCC  
GGTTCATGCGAGAGAACGGCTGAGGAACATCGAACGCATCTGCTTCCTTCTGAGAAAGGTCAGAGGGGTC  
CCCCAGGTGGACGGAGGAAGGGTGCAGAGAAAGGGTCAAGAGTGGTCTGCCGAGTACTCTATCC  
ACAGCCTCTTCTGCATCATGTTCTGTGCGCTCAGGAGTGGCTCACCTGGGACTCAATGTTCTCTGCT  
TTTCTATCACTTCTGGAGGATTTCCACTGTCCAGCAGATAGCTCAGAGCTAGCCTACGACCCACAGTT  
GTCATGAATGCGGACACCTTGAGCTACTGCCAGAAGGAGGCTGGTGAAGCTGGCCTTCTACCTCTCT  
CCTTCTTCTACTACTGTACTGCATGATTTACACCTTAGTGAGCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR217554 representing NM\_028408  
Red=Cloning site Green=Tags(s)

MAFTFAAFCYMLSLVLCALIFFAIWHIIAFDELRTDFKSPIDQCNPVHARERLRNIERICFLLRKVRGV  
PPGRRRKRERERQQLVLPEYSIHSLFCIMFLCAQEWLTLGLNVPLL FYHFWRYPFHCPADSSLAYDPPV  
VMNADTLSYCQKEAWCKLAFYLLSFFYYLYCMIYTLVSS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9025\\_e09.zip](https://cdn.origene.com/chromatograms/mm9025_e09.zip)



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_028408

ORF Size: 537 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\\_028408.3](#), [NP\\_082684.1](#)

RefSeq Size: 2727 bp

RefSeq ORF: 540 bp

Locus ID: 72978

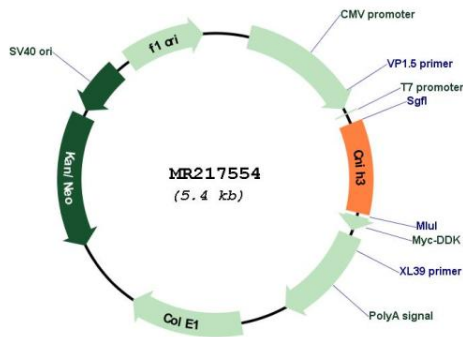
UniProt ID: [Q6ZWS4](#)

Cytogenetics: 1 H4

MW: 21.6 kDa

Gene Summary: Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA-Rs). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by regulating their rates of activation, deactivation and desensitization (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR217554