

## Product datasheet for **MG217554**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cnih3 (NM\_028408) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cnih3  
**Synonyms:** 2900075G08Rik; CNIH-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG217554 representing NM\_028408  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTTCACTTTCGCTGCTTTCTGCTACATGCTGTCCCTGGTCTGCGCTGCGCTCATCTTTTTCG  
 CTATCTGGCACATAATCGCCTTTGACGAGCTAAGAACGGATTTCAAGAGTCCCATAGACCAGTGAACCC  
 GGTTTCATGCGAGAGAACGGCTGAGGAACATCGAACGCATCTGCTTCCTTCTGAGAAAGGTCAGAGGGGTC  
 CCCCAGGTGGACGGAGGAAGGGTGCAGAGAAAGGGTCAAGAGTGGTCTGCCCGAGTACTCTATCC  
 ACAGCCTCTTCTGCATCATGTTCTGTGCGCTCAGGAGTGGCTCACCTGGGACTCAATGTTCTCTGCT  
 TTTCTATCACTTCTGGAGGATTTCCACTGTCCAGCAGATAGCTCAGAGCTAGCCTACGACCCACCAGTT  
 GTCATGAATGCGGACACCTTGAGCTACTGCCAGAAGGAGGCTGGTGAAGCTGGCCTTCTACCTCTCT  
 CCTTCTTCTACTACTGTACTGCATGATTTACACCTTAGTGAGCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG217554 representing NM\_028408  
 Red=Cloning site Green=Tags(s)

MAFTFAAFCYMLSLVLCALIFFAIWHIIAFDELRTDFKSPIDQCNPVHARERLRNIERICFLLRKVRGV  
 PPGRRKGRRRERQQQLVLP EYSIHSFLFCIMFLCAQEWL TLGLNVP LLFYHFWRYFHCPADSS ELAYDPVP  
 VMNADTLSYCQKEAWCKLAFYLLSFFYYLYCMIYTLVSS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_028408.3</a></u> , <u><a href="#">NP_082684.1</a></u>
<b>RefSeq Size:</b>	2727 bp
<b>RefSeq ORF:</b>	540 bp
<b>Locus ID:</b>	72978
<b>UniProt ID:</b>	<u><a href="#">Q6ZWS4</a></u>
<b>Cytogenetics:</b>	1 H4
<b>Gene Summary:</b>	Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA receptors). 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]