

## Product datasheet for RN212452

### Cnih2 (NM\_001025132) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cnih2 (NM_001025132) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnih2
Synonyms:	CNIH-2; Cnih3; RGD1304930
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212452 representing NM_001025132 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTTCACCTTCGCAGCATTCTGCTACATGCTCACCTGGTGTGTGCGCCTCCCTCATCTTCTTTG  
TCATCTGGCACATCATAGCCTTTGATGAGCTGCGGACTGACTTCAAGAACCCATCGACCAGGGGAACCC  
AGCGGGGCACGCGAGCGTTTAAAAACATCGAACGCATCTGCTGCCTCCTGAGGAAGCTGGTGGTCCCG  
GAATATCCATCCACGGCTCTTCTGTCTGATGTTTCTGTGTGCAGCAGAGTGGGTGACCCTGGGCTCA  
ACATCCCCCTCCTTTCTACCACCTCTGGAGGTACTTCCACCGTCTGCGGATGGCTCTGAGGTCATGTA  
TGATGCGGTCTCTATCATGAATGCTGACATCCTCAACTACTGCCAGAAGGAGTCTGGTGCAAACCTGCC  
TTCTACCTGCTCTCCTTCTTCTATTACCTGTACAGTATGGTTTATACGTTGGTGAGCTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001025132
Insert Size:	483 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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>NM_001025132.1</u> , <u>NP_001020303.1</u>
<b>RefSeq Size:</b>	1365 bp
<b>RefSeq ORF:</b>	483 bp
<b>Locus ID:</b>	361705
<b>UniProt ID:</b>	<u>Q5BJU5</u>
<b>Cytogenetics:</b>	1q43
<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. Blocks CACNG8-mediated resensitization of AMPA receptors.[UniProtKB/Swiss-Prot Function]