

## Product datasheet for **SC100896**

### CNIH3 (NM\_152495) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNIH3 (NM_152495) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNIH3
Synonyms:	CNIH-3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100896 sequence for NM_152495 edited (data generated by NextGen Sequencing)

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ATGGCCTTCACCTTCGCTGCGTTCTGCTACATGCTGTCTCTGGTGTGCGCTGCGCTC
ATCTTCTTCGCCATCTGGCACATAATTGCCTTTGATGAGTTAAGGACAGATTTTAAGAGC
CCCATAGACCAGTGCAATCCTGTTTCATGCGAGGGAACGGTTGAGGAACATCGAGCGCATC
TGCTTCTTCTGCGAAAGCTGGTGTGCGCAGAATACTCCATCCATAGCCTCTTCTGCATT
ATGTTCTGTGTGCGCAAGAGTGGCTCACGCTGGGGCTGAATGTCCCTCTACTTTTCTAT
CACTTCTGGAGGTATTTCACTGTCCAGCAGATAGCTCAGAACTAGCCTACGACCCACCG
GTGGTCATGAATGCCGACACTTTGAGTTACTGTCAGAAGGAGGCCTGGTGAAGCTGGCC
TTCTATCTCCTCTCCTTCTTCTACTACCTTTACTGCATGATCTACACTTTAGTGAGCTCT
TAA
```

Clone variation with respect to NM\_152495.1



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152495 unedited  AAATTTTGGTATACGACTCATAATAGGGCGGCCGCGATTCCGGCACGAGGGGAGCGCTCGT  CTCTCCTCAGCGGTTTAGTGGAGATAGCAGAGAGCTCTTCTGGGGCGAAATGGGACCTC  CTCCCTCGGTCTCCGTGGAGTCGTGCGATCGCTTGTGCGTGTGGTCTCGAGGGGCTCAC  AGCTTGGCACTAATTTGCAGGTGTTGCTGCTGATTTGGTTTCTTCTCGATTTGCGGAC  GGTCCCTCCAGCGACTCTCGACACACGTTTTTCTGTCTTCGCCGAGGGCCGGGTCTGG  GGTCGCCGAGCCTCGGGGAATCCAGCGCTTATTCGCTGACCCTCGAGTCGCTTCGCTAG  CTGTGCGCCCTCCTGGGCACTAGCCTGGAGAGGAAGCGTGCAGACGCGGCTCCTTGGAGG  GAGTGCGGTCTCTAGGGAGGCATCGGGCTCCTAGGGGCTTCTTGGCGTGTGTGGTGGGA  TTGGGGTCCGCCGGCCATGGCCTTCACTTTCGCTGCGTTCGCTACATGCTGTCTCTGGT  GCTGTGCGCTGCGCTCATCTTCTCGCCATCTGGCACATAATTGCCTTTGATGAGTTAAG  GACAGATTTTAAGAGCCCATAGACCAGTGCAATCCTGTTTCATGCGAGGGAAACGGTTGAG  GAACATCGAGCGCATCTGCTTCTTCTGCGAAAGCTGGTGTGCCAGAATACTCCATCCA  TAGCCTCTTCTGCATTATGTTCCCTGTGTGCGCAAGAAGTGGCTCACGCTGGGGTGAAT  GTCCTCTACTTTCTATCACTTCTGGNNAGTATTTCCACTGTNCAGCAGAAGCTCAAAC  TAGCCTACGACCACCGGTGCATGAATGCGAACTTTGAGTTATGCANAAAGAGGCCTGGG  GTAACCTGGNCTNTAATCCTCTCTTTTCTACTACTACTGGAGAACTACACTTAGGAACC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152495 unedited  ATTGCTTTTATAACAAGCAACATGTGTTGCTACACAAACACCATTATAAACCTGAGTCA  CAGGTTTCAGATGGGAGCTGGGGACGTGTATAAATAGCCTGTGTATGTTAAACAGTAGAA  AAGAAAAGAAGTTTGGGAATAAGGTCAAATCATTGTGCCCAATTTAAACATCATAAAA  ATCTCAGCCTTGTCAATTATTTACAACCCCGCAGATAACTCCACCCAAAAGAGAATGCCA  AACGAAAATTCTAAATAAGATGATGTCCTCACGTCGACCTAAACAGTACAAATGATGCA  GCATCATAAAAACAAAGTTATAATTATGTTGTCTCACTTCTGGCTGCCGGATGCCACGG  TACAGAGCAGCCACTCCACAGGATTTTCTGAGCTCTGAGCTGTCTGGGTTTTTGTAAAGA  ACATAGCTTTGACTAGCATTGACCAATTGATTTGCATTTAAAGACTCTGTGATGGTTTGA  GGTGGCAAAGAAGAATACAACTGTGTGGTGGAGAATAACACCTTGATCATGTTGCAN  ACGTTTCANAAATGCATTTTCTATATTCACCCCTCCTCAGCTGAAAATAGCCCAGCAG  GCTCAAGGCTGGTTGCAGCTGAAGACAAATCCCACACACCCTCCAGCCCTCCCATTGGA  GAAAAAGGGCATGGCCATGGCTTGGAAAGAAAGGCAACAGAGTCTTGGGAGCCAAGACAT  TCTCGAGGGCTTCACANNGTCTGCAGACTTGGCCTTGACTCTGGGTATTNNCTGTCT  TAGCAGCACCTTTGTGGCCTTCCAGCTNNCGCTCCAGNAACTCANTTTGACTTTGCAAG  GTGCTGNTCAATGNAGTGGGATCAGGAAGCAGCAATTCTCTCAGGAGAGGTCTAGTGG  TTCGTCACCTACTCCCCACCACTGATGCTCAGAAGGGCTC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152495
<b>Insert Size:</b>	2400 bp
<b>OTI Disclaimer:</b>	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).
<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).

**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\\_152495.1](#), [NP\\_689708.1](#)

**RefSeq Size:** 2372 bp

**RefSeq ORF:** 483 bp

**Locus ID:** 149111

**UniProt ID:** [Q8TBE1](#)

**Cytogenetics:** 1q42.12

**Domains:** Cornichon

**Protein Families:** Transmembrane

**Gene Summary:** 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. [UniProtKB/Swiss-Prot Function]