OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC208304

Cnih2 (NM_009920) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnih2 (NM_009920) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnih2
Synonyms:	C; CNIH-2; Cnil
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>MC208304 representing NM_009920
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTTCACCTTCGCAGCATTCTGCTACATGCTCACCCTGGTGCTGTGCGCCTCCCTCATCTTCTTTG
TCATCTGGCACATCATAGCCTTTGATGAGCTGCGGACTGACTTCAAGAACCCCATCGACCAGGGGAACCC
AGCGCGGGCACGCGAGCGTTTGAAAAACATCGAACGCATCTGCTGCCTCCTGAGGAAGCTGGTGGTCCCG
GAATATTCCATCCACGGCCTCTTCTGTCTGATGTTTCTGTGTGCAGCAGAGTGGGTGACCCTGGGCCTCA
ACATCCCCCTCCTCTTCTACCACCTCTGGAGGTACTTCCACCGTCCTGCGGATGGCTCTGAGGTCATGTA
TGATGCGGTCTCTATCATGAATGCTGACATCCTCAACTACTGCCAGAAGGAGTCCTGGTGCAAACTCGCC
TTCTACCTGCTGTCCTTCTTCTATTACCTGTACAGTATGGTTTATACGTTGGTGAGCTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_009920
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).

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_009920.4, NP_034050.1
RefSeq Size:	1361 bp
RefSeq ORF:	483 bp
Locus ID:	12794
UniProt ID:	O35089
Cytogenetics:	19 A
Gene Summary:	This gene encodes a protein that is an auxiliary subunit of the ionotropic glutamate receptor of the AMPA subtype. This protein is similar to a Drosophila protein involved in anterior-posterior and dorsal-ventral patterning. Cnih2 conditional knockout mice exhibit reduced AMPA receptor synaptic transmission in the hippocampus. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014] Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US