

Product datasheet for **RN215934**

Cnih3 (NM_001166578) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnih3 (NM_001166578) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnih3
Synonyms:	CNIH-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215934 representing NM_001166578 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTTCACCTTCGCTGCTTTCTGCTACATGCTGTCCCTGGTCTGCGCTGCGCTCATCTTCTTCG
 CTATCTGGCACATAATCGCCTTCGATGAGCTAAGGACAGATTTCAAGAGTCCCATAGACCACTGCAACCC
 TGTCCATGCGAGGGAGCGGCTGAGGAACATCGAACGCATCTGCTTCCTTCTGAGAAAGCTGGTCTGCCG
 GAGTACTCCATCCACAGCCTCTTCTGCGTCATGTTTCTGTGTGCACAGGAGTGGCTACCCTGGGGCTCA
 ATGTTCTCTGCTTTTCTATCACTTCTGGAGGTATTTCCACTGTCCAGCAGATAGCTCAGAACTAGCCTA
 CGACCCACCACTTGTATGAATGCCGACACCTTGAGCTACTGTCAGAAGGAGGCCTGGTGTAAAGCTGGCC
 TTCTATCTCCTCTCCTTCTTCTACTACCTGTACTGCATGATTTACACCTTAGTGAGCTCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001166578
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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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001166578.1</u> , <u>NP_001160050.1</u>
RefSeq Size:	483 bp
RefSeq ORF:	483 bp
Locus ID:	690252
UniProt ID:	<u>D0Q0Y7</u>
Cytogenetics:	13q26
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. [UniProtKB/Swiss-Prot Function]