

Product datasheet for **RG202120**

CNIH3 (NM_152495) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNIH3 (NM_152495) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CNIH3
Synonyms: CNIH-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202120 representing NM_152495
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTTCACTTTCGCTGCGTTCTGCTACATGCTGTCTCTGGTGTGTGCGCTGCGCTCATCTTCTTCG
 CCATCTGGCACATAATTGCCTTTGATGAGTTAAGGACAGATTTAAGAGCCCCATAGACCAGTGCATCC
 TGTTATGCGAGGGAACGGTTGAGGAACATCGAGCGCATCTGCTTCTTCTGCGAAAGCTGGTGTGCCA
 GAATACTCCATCCATAGCCTCTTCTGCATTATGTTCTGTGTGCGCAAGAGTGGCTCACGCTGGGGCTGA
 ATGTCCCTCTACTTTTCTATCACTTCTGGAGGTATTTCCACTGTCCAGCAGATAGCTCAGAACTAGCCTA
 CGACCCACCGGTGGTCATGAATGCCGACACTTTGAGTTACTGTCAGAAGGAGGCCTGGTGTAAAGCTGCC
 TTCTATCTCTCTCTTCTTCTACTACCTTTACTGCATGATCTACACTTTAGTGAGCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202120 representing NM_152495
 Red=Cloning site Green=Tags(s)

MAFTFAAFCYMLSLVLCALIFFAIWHIIAFDELRTDFKSPIDQCNPVHARERLRNIERICFLLRKLVLPLP
 EYSIHSLFCIMFLCAQEWLTLGLNVPLLFYHFWRYFHCPADSSLAYDPPVVMNADTLSYCQKEAWCKLA
 FYLLSFFYYLYCMIYTLVSS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_152495

ORF Size: 480 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_152495.2](#)

RefSeq Size: 2372 bp

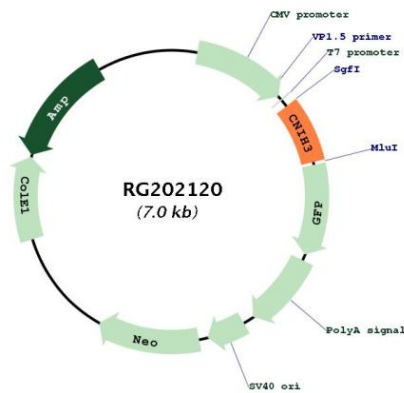
RefSeq ORF: 483 bp

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-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]

Product images:



Circular map for RG202120