

Product datasheet for **RG200050**

CNIH4 (NM_014184) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNIH4 (NM_014184) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CNIH4
Synonyms: CNIH-4; CNIH2; HSPC163
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200050 representing NM_014184
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGGTGGTGTTCGTCCTCTCTCTCCTCGATTGTTGCGCGCTCATCTTCTCTCGGTCTACTTCA
TAATTACATTGTCTGATTTAGAATGTGATTACATTAATGCTAGATCATGTTGCTCAAAATTAACAAGTG
GGTAATCCAGAATTGATTGGCCATACCATTGTCCTGTATTACTGCTCATGTCATTGCACTGGTTCATC
TTCCTTCTCACTTACCTGTTGCCACTTGAATATATATCGATACATTATGGTCCGAGTGGTAACATGG
GAGTGTGGTTCATCAACAGAAATACACAATCGAGGGCAGCTGAAGTCACACATGAAAGAAGCCATGATCAA
GCTTGGTTCCACTTGCTCTGCTTCTTCATGTATCTTTATAGTATGATCTTAGCTTTGATAAATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200050 representing NM_014184
Red=Cloning site Green=Tags(s)

MEAVVVFVSLLDCCALIFLSVYFIITLSDLECDYINARSCSKLNKWWIPELIGHTIVTVLLLSLHWF
FLLNLPVATWNIYRYIMVPSGNMGVDFDPTIEIHNRGQLKSHMKEAMIKLGFHLLCFMYLYSMILALIND

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_014184

ORF Size: 417 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.

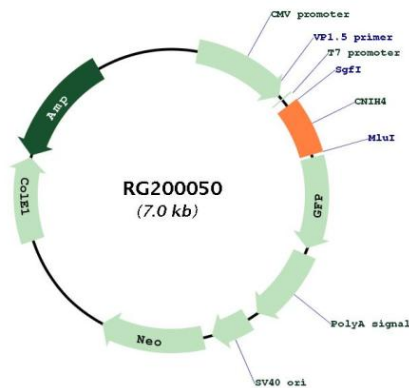
RefSeq: [NM_014184.4](#)

RefSeq Size: 652 bp

RefSeq ORF: 420 bp

Locus ID: 29097
UniProt ID: [Q9P003](#)
Cytogenetics: 1q42.11
Protein Families: Transmembrane
Gene Summary: Involved in G protein-coupled receptors (GPCRs) trafficking from the endoplasmic reticulum to the cell surface; it promotes the exit of GPCRs from the early secretory pathway, likely through interaction with the COPII machinery (PubMed:24405750).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200050