

Product datasheet for **RG235952**

CNIH4 (NM_001277200) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNIH4 (NM_001277200) 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: >RG235952 representing NM_001277200.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCGGTGGTGTTCGTTCTCTCTCTCCTCGATTGTTGCGCGCTCATCTTCTCTCGGTCTACTTC
ATAATTACATTGTCTGATTTAGAATGTGATTACATTAATGCTAGATCATGTTGCTCAAAATTAACAAG
TGGGTAATCCAGAATTGATTGGCCATACCATTGTCAGTATTACTGCTCATGTCATTGCACTGGTTC
ATCTTCTCTCAACTTACCTGTTGCCACTTGAATATATATCGATACATTATGGTGCCGAGTGGTAAC
ATGGGAGTGTGGATCCAACAGAAATACACAATCGAGGGCAGCTGAAGTCACACATGAAAGAAGCCATG
ATCAAGCTTGGTTCCACTTGTCTGCTTCTTCATGTATCTTTATAGTGGTAGCAACTGCCCTTGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235952
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEAVVVFVSLLDCCALIFLSVYFIITLSDLECDYINARSCSKLNKWIPELIGHTIVTVLLLSLHWF
IFLLNLPVATWNIYRYIMVPSGNMGVFDPTIEIHNRGQLKSHMKEAMIKLGFHLLCFMYLYSGSNCP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: Sgfl-Mlul



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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).
RefSeq:	NM_001277200.2
RefSeq Size:	905 bp
RefSeq ORF:	414 bp
Locus ID:	29097
Cytogenetics:	1q42.11
Protein Families:	Transmembrane
MW:	16.2 kDa
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]