

Product datasheet for **RC235479**

CNIH4 (NM_001277199) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNIH4 (NM_001277199) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CNIH4
Synonyms: CNIH-4; CNIH2; HSPC163
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235479 representing NM_001277199
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCATTGCACTGGTTCATCTTCTTCTCAACTACCTGTTGCCACTTGAATATATATCGATACATTA
TGGTGCCGAGTGGTAACATGGGAGTGTTTGATCCAACAGAAATACACAATCGAGGGCAGCTGAAGTCACA
CATGAAAGAAGCCATGATCAAGCTTGGTTCCACTTGCTCTGCTTCTTCATGTATCTTTATAGTATGATC
TTAGCTTTGATAAATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235479 representing NM_001277199
Red=Cloning site Green=Tags(s)

MSLHWIFLLNLPVATWNIYRYIMVPSGNMGVDFPTEIHNRLKSHMKEAMIKLGFHLLCFFMYLYSMI
LALIND

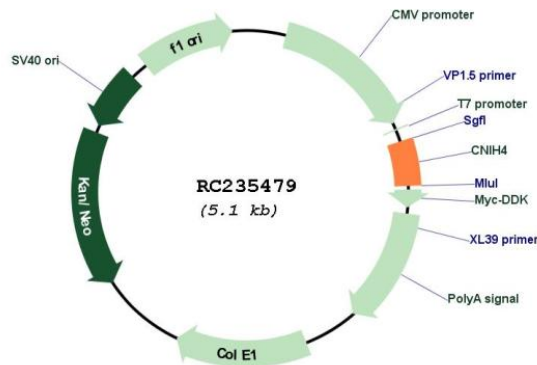
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_001277199

ORF Size: 228 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:	<ol style="list-style-type: none">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_001277199.2</u>
RefSeq Size:	1915 bp
RefSeq ORF:	231 bp
Locus ID:	29097
Cytogenetics:	1q42.11
Protein Families:	Transmembrane
MW:	9.4 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]