

## Product datasheet for **SC333846**

### CNIH4 (NM\_001277200) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNIH4 (NM_001277200) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNIH4
Synonyms:	CNIH-4; CNIH2; HSPC163
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333846 representing NM_001277200. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCGGTGGTGTTCGTTCTCTCTCTCTCGATTGTTGCGCGCTCATCTTCTCTCGGTCTACTTC
ATAATTACATTGTCTGATTTAGAATGTGATTACATTAATGCTAGATCATGTTGCTCAAAATTAACAAG
TGGGTAATCCAGAATTGATTGGCCATACCATTGTCAGTATTACTGCTCATGTCATTGCACTGGTTC
ATCTTCTTCTCAACTTACCTGTTGCCACTTGAATATATATCGATACATTATGGTGCCGAGTGGTAAC
ATGGGAGTGTGGATCCAACAGAAATACACAATCGAGGGCAGCTGAAGTCACACATGAAAGAAGCCATG
ATCAAGCTTGGTTCCACTTGCTCTGCTTCTTCATGTATCTTTATAGTGGTAGCAACTGCCCTTGCTAA

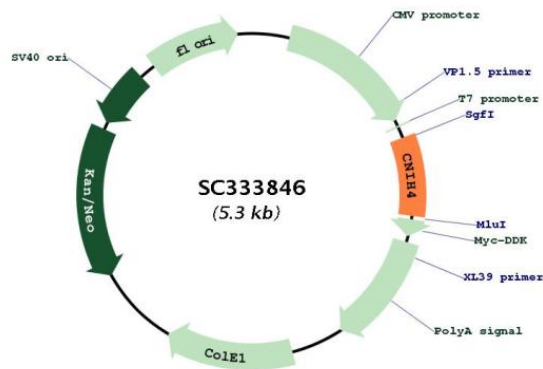
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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## Plasmid Map:



ACCN: NM\_001277200

Insert Size: 414 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).

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\\_001277200.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/taxonomy/NCBI/1/10961/1/10961.1)

RefSeq Size:	905 bp
RefSeq ORF:	414 bp
Locus ID:	29097
Cytogenetics:	1q42.11
Protein Families:	Transmembrane
MW:	15.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) uses an alternate downstream exon in place of the last exon of variant 1. The resulting isoform (5) has a shorter and distinct C-terminus compared to isoform 1.</p>