

Product datasheet for **SC333373**

CNIH4 (NM_001277199) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNIH4 (NM_001277199) 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:	>SC333373 representing NM_001277199. Blue=Insert sequence Red=Cloning site Green=Tag(s)

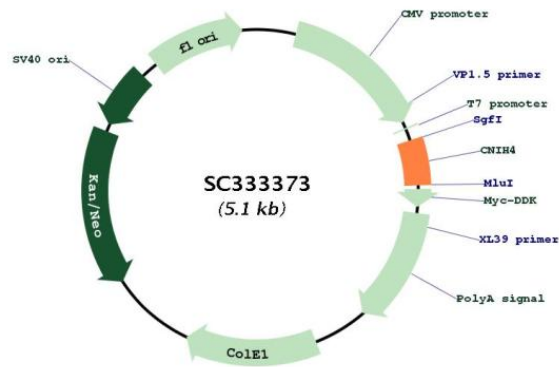
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCATTGCACTGGTTCATCTTCTTCTCAACTTACCTGTTGCCACTTGGAAATATATATCGATACATT
ATGGTGCCGAGTGGTAACATGGGAGTGTGGATCCAACAGAAATACACAATCGAGGGCAGCTGAAGTCA
CACATGAAAGAAGCCATGATCAAGCTTGGTTTCCACTTGCTCTGCTTCTTCATGTATCTTTATAGTATG
ATCTTAGCTTTGATAAATGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001277199

Insert Size: 231 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_001277199.1](#)

RefSeq Size: 1915 bp

RefSeq ORF: 231 bp

Locus ID: 29097

Cytogenetics: 1q42.11

Protein Families: Transmembrane

MW: 9 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]

Transcript Variant: This variant (4) lacks an alternate in-frame exon and contains an alternate exon compared to variant 1. These differences result in a distinct 5' UTR and cause translation initiation at a downstream start codon, compared to variant 1. The encoded isoform (4) is shorter at the N-terminus compared to isoform 1.