

Product datasheet for **SC304059**

CNIH4 (NM_014184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNIH4 (NM_014184) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNIH4
Synonyms:	CNIH-4; CNIH2; HSPC163
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_014184 edited AGCGAGGCCTGGGTGGCGGGAAGGAGCGCGCGACGGAGGAGGATGGAGGCGGTGG TGTTTCGTCTTCTCTCCTCGATTGTTGCGCGCTCATCTTCTCTCGGTCTACTTCATAA TTACATTGTCTGATTTAGAATGTGATTACATTAATGCTAGATCATGTTGCTCAAAATTAA ACAAGTGGTAATTCCAGAATTGATTGGCCATACCATTGCACTGTATTACTGCTCATGT CATTGCACTGGTTCATCTTCTTCTCAACTTACCTGTTGCCACTTGAATATATATCGAT ACATTATGGTGCCGAGTGGTAACATGGGAGTGTGGATCCAACAGAAATACACAATCGAG GGCAGCTGAAGTCACACATGAAAGAAGCCATGATCAAGCTTGGTTTCCACTTGCTCTGCT TCTTCATGTATCTTTATAGTATGATCTTAGCTTTGATAAATGACTGAAGCTGGAGAAGCC GTGGTTGAAGTCAGCCTACACTACAGTGCACAGTTGAGGAGCCAGAGACTTCTTAATCA TCCTTAGAACCGTGACCATAGCAGTATATATTTTCTCTTGGAAACAAAAAACTATTTTGG CTGATTTTTTACCATATAAAGTATTTAAAAAACATGAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_014184
Insert Size:	650 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to match NM_014184.1 perfectly.
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).



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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_014184.1](#), [NP_054903.1](#)

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]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note:.