

## Product datasheet for MR200871

### Cnih4 (NM\_030131) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cnih4 (NM_030131) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnih4
Synonyms:	AI647760; AW050376; CNIH-4; D530030D03Rik; E430023H19Rik; HSPC163
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200871 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)  TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  ATGGAGGCGGTGGTGTCTCTCTCGCTCCTCGACTGTTGCGCGCTCATCTTCTCTCCGCTCTACTTCA TCATTACATTGTCTGATTTAGAATGTGATTACATTAACGCCAGATCATGTTGCTCAAAATTAACAAGTG GGTGATCCCGGAGTTGGTCGGCCACACCATTGTCCTGTGCTGATGCTTGTCTCCCTGCACTGGTTCATC TTCCTTCTCAACTACCTGTGCGCCACGTGGAATATATATAGGTTTCATTATGGTGCCAAGTGGCAACATGG GAGTATTTGATCCAACAGAAATACACAACCGGGACAGTTAAAGTCACACATGAAAGAAGCCATGATCAA GCTTGGTTTCTACCTGCTCTGTTTCTTCATGTATCTCTATAGTATGATTCTAGCTTTGATAAATGAC  ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA  >MR200871 protein sequence Red=Cloning site Green=Tags(s)  MEAVVFLFSLLDCCALIFLSVYFIITLSDLECDYINARSCSKLNKWWIPELVGHTIVTVLMLVSLHWF ILLNLPVATWNIYRFIMVPSGNMGVFDPTIEHNRGQLKSHMKEAMIKLGFYLLCFFMYLSMILALIND  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_030131

**ORF Size:** 420 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:**
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\\_030131.3](#)

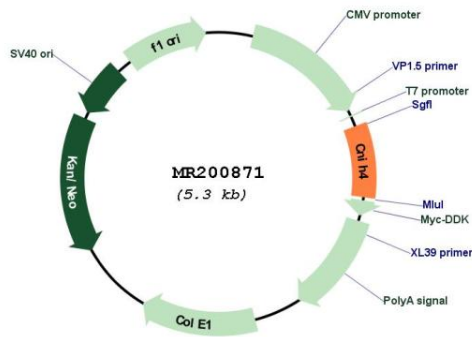
**RefSeq Size:** 3283 bp

**RefSeq ORF:** 420 bp

**Locus ID:** 98417

UniProt ID: [Q9CX13](#)  
 Cytogenetics: 1 H4  
 MW: 16.1 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.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200871