

Product datasheet for RC200050L3

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OriGene Technologies, Inc.

CNIH4 (NM_014184) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CNIH4 (NM_014184) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CNIH4

Synonyms: CNIH-4; CNIH2; HSPC163

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200050).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_014184

ORF Size: 417 bp





CNIH4 (NM_014184) Human Tagged Lenti ORF Clone - RC200050L3

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: <u>NM 014184.1</u>

 RefSeq Size:
 1637 bp

 RefSeq ORF:
 420 bp

 Locus ID:
 29097

 UniProt ID:
 Q9P003

Cytogenetics: 1q42.11

Protein Families: Transmembrane

MW: 16.1 kDa

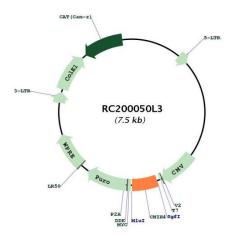
Gene Summary: Involved in G protein-coupled receptors (GPCRs) trafficking from the endoplasmic reticulum

to the cell surface; it promotes the exit of GPCRs from the early secretory pathway, likely through interaction with the COPII machinery (PubMed:24405750).[UniProtKB/Swiss-Prot

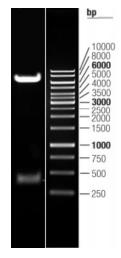
Function]



Product images:



Circular map for RC200050L3



Double digestion of RC200050L3 using Sgfl and Mlul