

Product datasheet for RC200174L4

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

CHCHD3 (NM_017812) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CHCHD3 (NM 017812) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: CHCHD3

Synonyms: Mic19; MICOS19; MINOS3; PPP1R22

Puromycin

Mammalian Cell

Selection:

Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(RC200174).

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_017812

ORF Size: 681 bp





CHCHD3 (NM_017812) Human Tagged Lenti ORF Clone - RC200174L4

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 017812.1</u>

RefSeq Size: 1622 bp

RefSeq ORF: 684 bp Locus ID: 54927

UniProt ID: Q9NX63

Cytogenetics: 7q32.3-q33

MW: 26.2 kDa

Gene Summary: The protein encoded by this gene is an inner mitochondrial membrane scaffold protein.

Absence of the encoded protein affects the structural integrity of mitochondrial cristae and leads to reductions in ATP production, cell growth, and oxygen consumption. This protein is

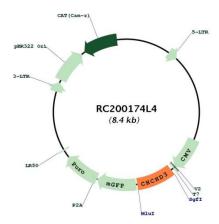
part of the mitochondrial contact site and cristae organizing system (MICOS). Several

transcript variants encoding different isoforms have been found for this gene. [provided by

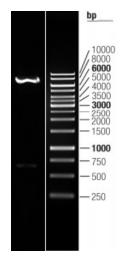
RefSeq, Nov 2015]



Product images:



Circular map for RC200174L4



Double digestion of RC200174L4 using Sgfl and Mlul $\,$