

Product datasheet for RC216557

CHIC1 (NM 001039840) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CHIC1 (NM_001039840) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: CHIC1

Synonyms: BRX

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC216557 representing NM_001039840
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

CTAATAGAATTCTTACCAAAATATCCCATATTCCGACCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com Protein Sequence: >RC216557 representing NM_001039840

Red=Cloning site Green=Tags(s)

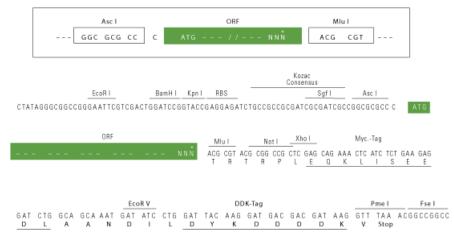
MSILLPNMAEFDTISELEEEEEEEAATSSSSPSSSSSVSGPDDDEEDEEEEEEEEEEEEEEEEEPPPPRVVSEEHLRRYAPDPVLVRGAGHITVFGLSNKFDTEFPSVLTGKVAPEEFKTSIGRVNACLKKALPVNVKWLLCGCLCCCTLGCSLWPVICLNKRTRRSIQKLIEWENNRLYHKLALHWKLTKRKCETSNMMEYVILIEFLPKYPIFRPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1564 h04.zip

Restriction Sites: Ascl-Mlul

Cloning Scheme: Cloning sites used for ORF Shuttling:



* The last coden before the Stop coden of the ORF

ACCN: NM_001039840

ORF Size: 672 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 001039840.3</u>

RefSeq Size: 6909 bp
RefSeq ORF: 675 bp
Locus ID: 53344
UniProt ID: Q5VXU3
Cytogenetics: Xq13.2

Protein Families: Transmembrane

MW: 25.4 kDa

Gene Summary: This gene encodes a cysteine-rich hydrophobic (CHIC) domain-containing protein, and is one

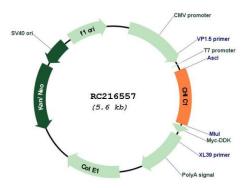
of the few protein-coding genes found near the X-inactivation center. Studies in mouse indicate that the mouse ortholog of this gene is subject to X-inactivation in mouse. Experiments with other CHIC domain-containing family members show that the cysteine residues are palmitoylated post-translationally, resulting in membrane association.

Alternative splicing results in multiple transcript variants encoding different isoforms.

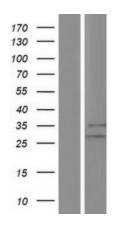
[provided by RefSeq, May 2017]



Product images:



Circular map for RC216557



Western blot validation of overexpression lysate (Cat# [LY421834]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216557 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).