

## **Product datasheet for RG216557**

## CHIC1 (NM\_001039840) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Tag: TurboGFP

Symbol: CHIC1

Synonyms: BRX

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216557 representing NM\_001039840

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGGCGCGCCC

CTAATAGAATTCTTACCAAAATATCCCATATTCCGACCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216557 representing NM\_001039840

Red=Cloning site Green=Tags(s)

MSILLPNMAEFDTISELEEEEEEEAATSSSSPSSSSSVSGPDDDEEDEEEEEEEEEEEEEEEEEEEP PPPRVVSEEHLRRYAPDPVLVRGAGHITVFGLSNKFDTEFPSVLTGKVAPEEFKTSIGRVNACLKKALPV NVKWLLCGCLCCCCTLGCSLWPVICLNKRTRRSIQKLIEWENNRLYHKLALHWKLTKRKCETSNMMEYVI

LIEFLPKYPIFRPD

TRTRPLE - GFP Tag - V



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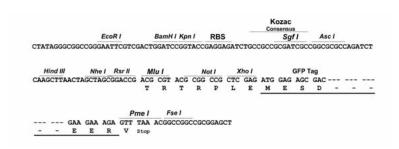
EU: info-de@origene.com CN: techsupport@origene.cn



Restriction Sites: AscI-Mlul

**Cloning Scheme:** 





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

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.

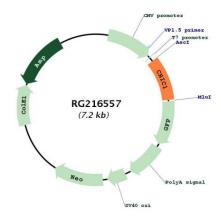
Experiments with other CHIC domain-containing family members show that the cysteine

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 RG216557