

## Product datasheet for RC226657L2

#### 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

### Calpain 14 (CAPN14) (NM\_001145122) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Calpain 14 (CAPN14) (NM 001145122) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Calpain 14

Mammalian Cell None

Selection:

Vector:

pLenti-C-mGFP (PS100071)

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

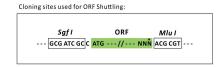
**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC226657).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001145122

ORF Size: 2052 bp



#### Calpain 14 (CAPN14) (NM\_001145122) Human Tagged Lenti ORF Clone - RC226657L2

**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 001145122.1</u>

 RefSeq ORF:
 2055 bp

 Locus ID:
 440854

 UniProt ID:
 A8MX76

 Cytogenetics:
 2p23.1

**MW:** 79.4 kDa

**Gene Summary:** Calpains are a family of cytosolic calcium-activated cysteine proteases involved in a variety of

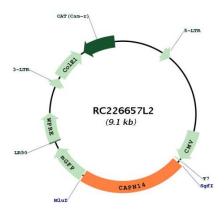
cellular processes including apoptosis, cell division, modulation of integrin-cytoskeletal

interactions, and synaptic plasticity (Dear et al., 2000 [PubMed 10964513]). CAPN14 belongs to

the calpain large subunit family.[supplied by OMIM, Mar 2008]



# **Product images:**



Circular map for RC226657L2