

Product datasheet for RC218292L1

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OriGene Technologies, Inc.

CAMLG (NM_001745) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CAMLG (NM_001745) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: CAMLG

Synonyms: CAML; GET2

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218292).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001745

ORF Size: 888 bp





CAMLG (NM_001745) Human Tagged Lenti ORF Clone - RC218292L1

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 001745.2</u>

RefSeq Size: 2255 bp
RefSeq ORF: 891 bp
Locus ID: 819

 UniProt ID:
 P49069

 Cytogenetics:
 5q31.1

Protein Families: Druggable Genome

MW: 33 kDa

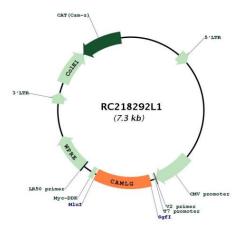
Gene Summary: The immunosuppressant drug cyclosporin A blocks a calcium-dependent signal from the T-

cell receptor (TCR) that normally leads to T-cell activation. When bound to cyclophilin B, cyclosporin A binds and inactivates the key signaling intermediate calcineurin. The protein encoded by this gene functions similarly to cyclosporin A, binding to cyclophilin B and acting downstream of the TCR and upstream of calcineurin by causing an influx of calcium. This integral membrane protein appears to be a new participant in the calcium signal transduction pathway, implicating cyclophilin B in calcium signaling, even in the absence of cyclosporin.

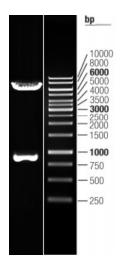
[provided by RefSeq, Jul 2008]



Product images:



Circular map for RC218292L1



Double digestion of RC218292L1 using Sgfl and Mlul $\,$