

Product datasheet for RC223061L2

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

CD10 (MME) (NM_007287) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CD10 (MME) (NM_007287) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: CD10

Synonyms: CALLA; CD10; CMT2T; NEP; SCA43; SFE

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(RC223061).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_007287

ORF Size: 2250 bp





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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 007287.1</u>

RefSeq Size:5619 bpRefSeq ORF:2253 bpLocus ID:4311

UniProt ID: P08473

Cytogenetics: 3q25.2

Domains: Peptidase M13

Protein Families: Druggable Genome, Protease, Transmembrane

Protein Pathways: Alzheimer's disease, Hematopoietic cell lineage, Renin-angiotensin system

MW: 85.5 kDa

Gene Summary: The protein encoded by this gene is a type II transmembrane glycoprotein and a common

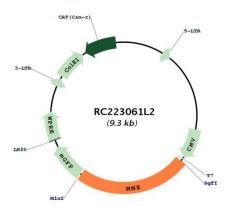
acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. The protein is a neutral

endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P,

neurotensin, oxytocin, and bradykinin. [provided by RefSeq, Aug 2017]



Product images:



Circular map for RC223061L2