

Product datasheet for **SC329862**

PICALM (NM_001206947) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PICALM (NM_001206947) Human Untagged Clone
Tag: Tag Free
Symbol: PICALM
Synonyms: CALM; CLTH; LAP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329862 representing NM_001206947.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

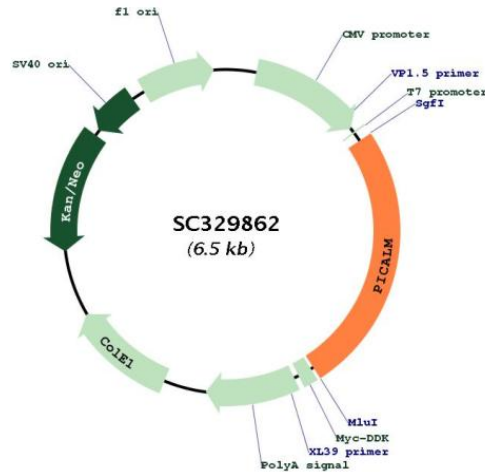
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001206947

Insert Size: 1656 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [NM_001206947.1](#)

RefSeq Size: 3734 bp

RefSeq ORF: 1656 bp

Locus ID: 8301

UniProt ID: [Q13492](#)

Cytogenetics: 11q14.2

Protein Families: Druggable Genome

MW: 59.9 kDa

Gene Summary: This gene encodes a clathrin assembly protein, which recruits clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. The protein may be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. The protein is involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction. A chromosomal translocation t(10;11)(p13;q14) leading to the fusion of this gene and the MLLT10 gene is found in acute lymphoblastic leukemia, acute myeloid leukemia and malignant lymphomas. The polymorphisms of this gene are associated with the risk of Alzheimer disease. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]

Transcript Variant: This variant (4) has an alternate 5' exon, resulting in a downstream AUG start codon, and lacks an in-frame exon in the coding region, compared to variant 1. The resulting isoform (4) has a shorter N-terminus and lacks an internal segment, compared to isoform 1.