

Product datasheet for RC213269L3

OriGene Technologies, Inc.

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LAF4 (AFF3) (NM_001025108) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: LAF4 (AFF3) (NM_001025108) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: LAF4

Synonyms: KINS; LAF4; MLLT2-like

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213269).

Sequence:

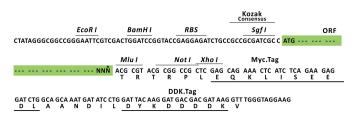
Sgfl-Mlul

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf I ORF MIu I

GGG ATC GC ATG ---//--- NNN ACG CGT ---



 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_001025108

ORF Size: 3753 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 001025108.1</u>

 RefSeq Size:
 8136 bp

 RefSeq ORF:
 3756 bp

 Locus ID:
 3899

 UniProt ID:
 P51826

Cytogenetics:

Protein Families: Transcription Factors

2q11.2

MW: 136.2 kDa

Gene Summary: This gene encodes a tissue-restricted nuclear transcriptional activator that is preferentially

expressed in lymphoid tissue. Isolation of this protein initially defined a highly conserved LAF4/MLLT2 gene family of nuclear transcription factors that may function in lymphoid development and oncogenesis. In some ALL patients, this gene has been found fused to the gene for MLL. Multiple alternatively spliced transcript variants that encode different proteins

have been found for this gene. [provided by RefSeq, Jul 2008]