

Product datasheet for SC315308

LAF4 (AFF3) (NM_001025108) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAF4 (AFF3) (NM_001025108) Human Untagged Clone
Tag:	Tag Free
Symbol:	AFF3
Synonyms:	KINS; LAF4; MLLT2-like
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315308 representing NM_001025108. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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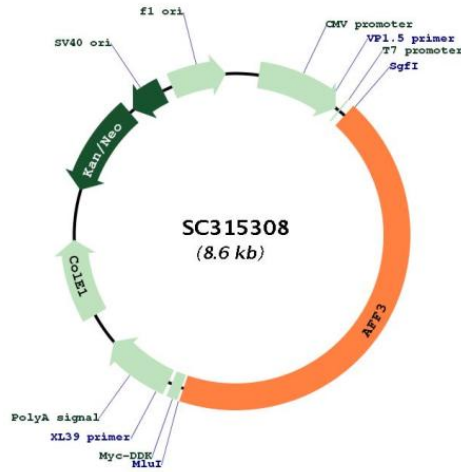
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Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_001025108

Insert Size: 3756 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001025108.1](#)

RefSeq Size: 8136 bp

RefSeq ORF: 3756 bp

Locus ID: 3899

UniProt ID: [P51826](#)

Cytogenetics: 2q11.2

Protein Families: Transcription Factors

MW: 136.4 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]

Transcript Variant: This variant (2) includes an alternate in-frame segment, compared to variant 1, resulting in a longer protein (isoform 2) that has a longer N-terminus, compared to isoform 1.