

## Product datasheet for SC304595

### EAf2 (NM\_018456) Human Untagged Clone

#### Product data:

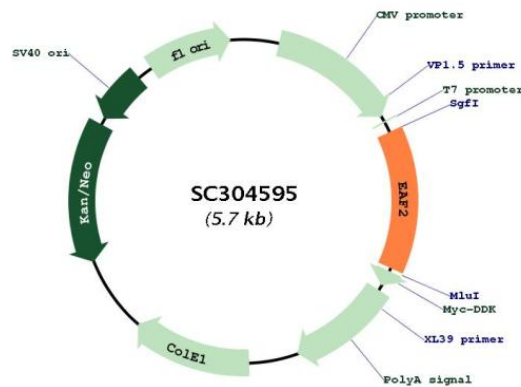
|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | EAf2 (NM_018456) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | EAf2  |
| Synonyms:                 | BM040; TRAITS; U19  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Fully Sequenced ORF:      | >SC304595 representing NM_018456.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAgTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATAGCGCAGCGGGATTCTCACACCTAGACCGTCGCGAGCGGGTTCTCAAGTTAGGGGAGAGTTTC
GAGAAGCAGCCGCGCTGCGCCTTCCACACTGTGCGCTATGACTTCAAACCTGCTTCTATTGACACTTCT
TCTGAAGGATACCTTGAGGTTGGTGAAGGTGAACAGGTGACCATAACTCTGCCAAATATAGAAGTTCA
ACTCCACCAGTAAGTGTTCAAAGGTTCAAAAAACCTTACTTAAAAGAATGCATTTTGATTATTAAC
CATGATACTGGAGAATGTCGGCTAGAAAAACTCAGCAGCAACATCACTGTAAAAAACAAGAGTTGAA
GGAAGCAGTAAAATTCAGTATCGTAAAGAACAACAGCAACAACAATGTGGAATTCAGCCAGGACTCCC
AATCTTGTAAAACATTCTCCATCTGAAGATAAGATGTCCCGCATCTCCAATAGATGATATCGAAAGA
GAACTGAAGGCAGAAGCTAGTCTAATGGACCAGATGAGTAGTTGTGATAGTTCATCAGATTCAAAAAGT
TCATCATCTTCAAGTAGTGAGGATAGTTCTAGTGACTCAGAAGATGAAGATTGCAAAATCCTCTACTTCT
GATACAGGGAATTGTGTCTCAGGACATCTACCATGACACAGTACAGGATTCCTGATATAGATGCCAGT
CATAATAGATTCGAGACAACAGTGGCCTTCTGATGAATACTTTAAGAAATGATTTGCAGCTGAGTGAA
TCAGGAAGTGACAGTGATGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_018456

**Insert Size:** 783 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\\_018456.5](#)

**RefSeq Size:** 1031 bp

RefSeq ORF: 783 bp

Locus ID: 55840

UniProt ID: [Q96CJ1](#)

Cytogenetics: 3q13.33

MW: 28.8 kDa

**Gene Summary:** Acts as a transcriptional transactivator of TCEA1 elongation activity (By similarity). Acts as a transcriptional transactivator of ELL and ELL2 elongation activities. Potent inducer of apoptosis in prostatic and non-prostatic cell lines. Inhibits prostate tumor growth in vivo. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).