

Product datasheet for **RG204314**

EAf2 (NM_018456) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EAf2 (NM_018456) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EAf2
Synonyms:	BM040; TRAITS; U19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204314 representing NM_018456 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAGCGCAGCGGGATTCTCACACCTAGACCGTCGCGAGCGGGTTCTCAAGTTAGGGGAGAGTTTCG
AGAAGCAGCCGCGCTGCGCCTTCCACACTGTGCGCTATGACTTCAAACCTGCTTCTATTGACACTTCTTC
TGAAGGATACCTTGAGGTTGGTGAAGGTGAACAGGTGACCATAACTCTGCCAAATATAGAAGTTCAACT
CCACCAGTAAGTGTTCAAAGGTTCAAAAAACCTTACTTAAAAGAATGCATTTTGATTATTAACCATG
ATACTGGAGAATGTCGGCTAGAAAACTCAGCAGCAACATCACTGTAAAAAACAAGAGTTGAAGGAAG
CAGTAAAATTCAGTATCGTAAAGAACAACAGCAACAACAATGTGGAATTCAGCCAGGACTCCCAATCTT
GTAAAAATTCTCCATCTGAAGATAAGATGTCCCAGCATCTCCAATAGATGATATCGAAAGAGAACTGA
AGGCAGAAGCTAGTCTAATGGACCAGATGAGTAGTTGTGATAGTTCATCAGATTCAAAAAGTTTCATCATC
TTCAAGTAGTGAGGATAGTTCTAGTGACTCAGAAGATGAAGATTGCAAAATCCTCTACTTCTGATACAGGG
AATTGTGTCTCAGGACATCCTACCATGACACAGTACAGGATTCCTGATATAGATGCCAGTCATAATAGAT
TTCGAGACAACAGTGGCCTTCTGATGAATACTTAAAGAAATGATTTGCAGCTGAGTGAATCAGGAAGTGA
CAGTGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG204314 representing NM_018456
Red=Cloning site Green=Tags(s)

MNSAAGFSHLDRRERVLKLGESFEKQPRCAFHTVRYDFKPASIDTSSEGYLEVGEQEQTITLPNIEGST
 PPVTVFKGSKKPYLKECILIIINHDTGECRLEKLSNITVKKTRVEGSSKIQRKEQQQQMWSARTPNL
 VKHSPSEDKMSPASPIDDIERELKAEASLMDQMSSCDSSSSDKSSSSSSSEDEDECKSSSTDGTG
 NCVSGHPTMTQYRIPDIDASHNRFRDNSGLLMNTLRNDLQLESGSDSDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018456

ORF Size: 780 bp

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: [NM_018456.6](#)

RefSeq Size: 1024 bp

RefSeq ORF: 783 bp

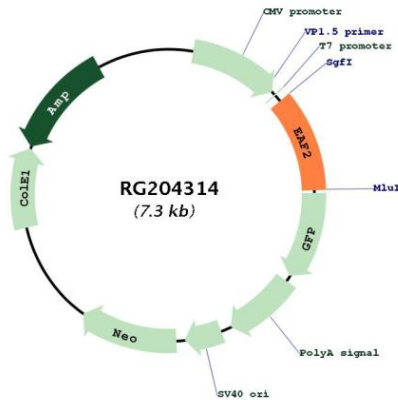
Locus ID: 55840

UniProt ID: [Q96CJ1](#)

Cytogenetics: 3q13.33

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]

Product images:



Circular map for RG204314