

Product datasheet for **RR204903**

Eaf2 (NM_172047) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eaf2 (NM_172047) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eaf2
Synonyms:	Traits
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204903 representing NM_172047 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAATGGACCAGCGGGACTCGCATACCTCGACCGTCGCGAGCGGATTCTCAAATTAGGCGAAAGTTTCG
AGAAGCAGCCGCGCTGTGCTTTCCACACCGTGCCTATGACTTCAAACCTGCTTCTGTTGATGCCTCTTG
TGAAGGAAATCTTGAGGTTGGCAAAGGTGAACAGGTGACAATAACTCTTCAAATATAGAAGGTTCAACT
CCACCAGTCACAGTTTTCAAAGGTTCCAAGAGACCTTACTTAAAAGAGTGCATTTTGATTATTAACCATG
ATACTGGGGAATGTCGCCTAGAAAACTCAGCAGCAACATCACTGTGAAAAAACAAGAGGAGAAGGAAG
TAGCAAAATCCAGTGCAGACTAGAACAAACAGCAACAACAAATGTGGAATCCACCCAGGACATCCAACCTT
GTACAGCATTCTCCATCAGAAGATAAGCTGTCCCAACGTCTCTAATGGATGATATTGAAAGAGAGCTGA
AGGCGGAAGCTAGTCTTATGGACCAGATGAGTAGTTGTGATAGTTTCATCCGATTCCAGAAGTTCTTCATC
TTCAAGTAGTGAGGACAGTTCTAGTGATTCCGAAGATGATGACCGATCCTCTCCTCCGGTCCAAGGAGG
TACAGCTCAGAGCACCCAGCGTATCTGCTGGGCCACAGTACAGGACTTCAGATGCTGACACTACTTGTA
ACAGACTTTACGACAACAGTGCCCTTCTGATGAGTACTTTACGAAGTGATCTGCAGCTGAGTGAGTCAGA
CAGCGACAGTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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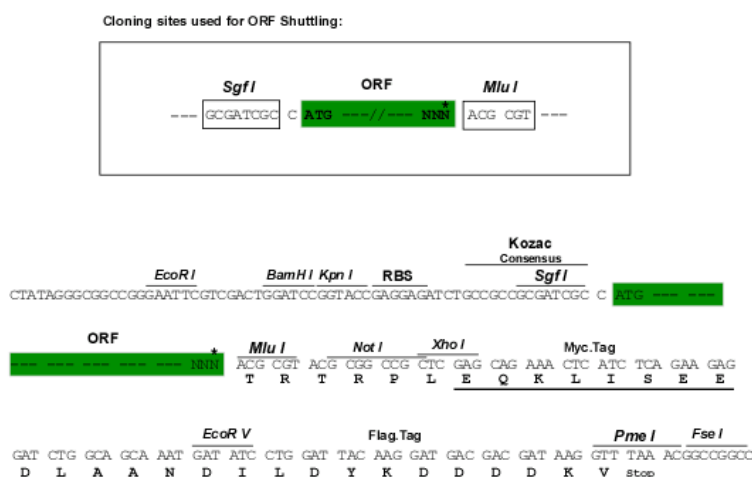
Protein Sequence: >RR204903 representing NM_172047
 Red=Cloning site Green=Tags(s)

MNGPAGLAYLDRRERILKLGESFEKQPRCAFHTVRYDFKPASVDASCEGNLEVGKGEQVTITLPNIEGST
 PPVTVFKGSKRPLYKECILIINHDTGECRLKELSSNITVKKTRGEGSSKIQCRLEQQQQMWNPPRTSNL
 VQHSPSEDKLSPTSLMDDIERELKAEASLMDQMSSCDSSSDSRSSSSSSSSSEDSSDSEDDDRSSPSGPRR
 YSSEHPSVSAGPQYRTSDADTTNRLYDNSALLMSTLRSDLQLSESDSDSED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

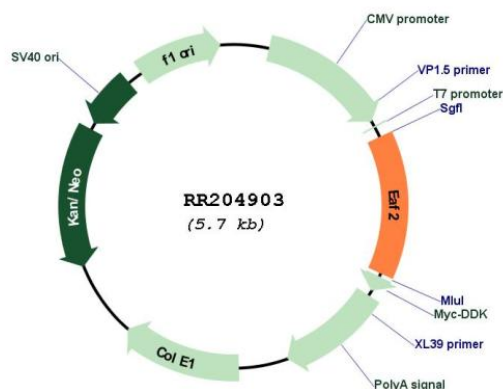
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_172047

ORF Size: 786 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:	<ol style="list-style-type: none"> 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_172047.1 , NP_742044.1
RefSeq Size:	1132 bp
RefSeq ORF:	789 bp
Locus ID:	266787
UniProt ID:	Q811X5
Cytogenetics:	11q21
MW:	28.9 kDa
Gene Summary:	Acts as a transcriptional transactivator of ELL, ELL2 and TCEA1 elongation activities (By similarity). Potent inducer of apoptosis in prostatic and non-prostatic cell lines. [UniProtKB/Swiss-Prot Function]