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Product datasheet for RC220590

TATA Element Modulatory Factor 1 (TMF1) (NM_007114) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TATA Element Modulatory Factor 1 (TMF1) (NM_007114) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TATA Element Modulatory Factor 1
Synonyms:	ARA160; TMF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC220590 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTGGTTCAACGCCTCCCAGCTCTCCAGCTTCGCTAAGCAGGCCCTGTCCCAGGCCCAGAAGTCTA
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Protein Sequence:

>RC220590 protein sequence
Red=Cloning site Green=Tags(s)

MSWFNASQLSSFAKQALSQAQKSIDRVLDIQEEEPSIWAETIPYGEPGISSPVSGGWDTSTWGLKSNTEP
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Chromatograms: https://cdn.origene.com/chromatograms/mk6604_b06.zip

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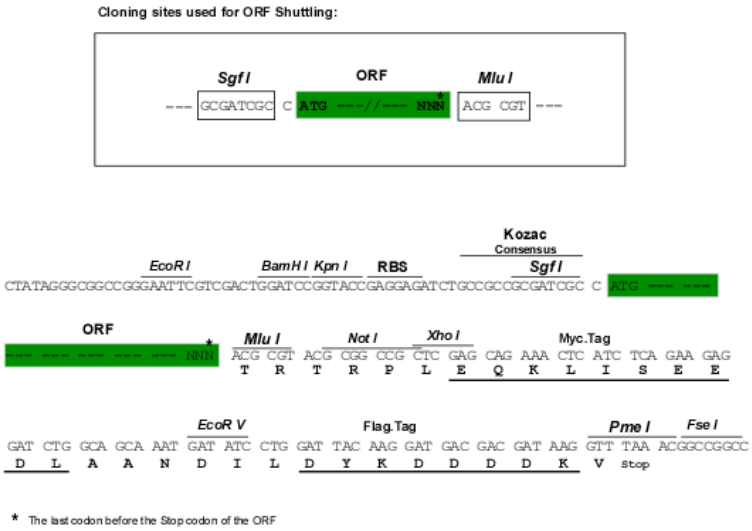
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007114

ORF Size: 3279 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_007114.3

RefSeq Size: 6895 bp

RefSeq ORF: 3282 bp

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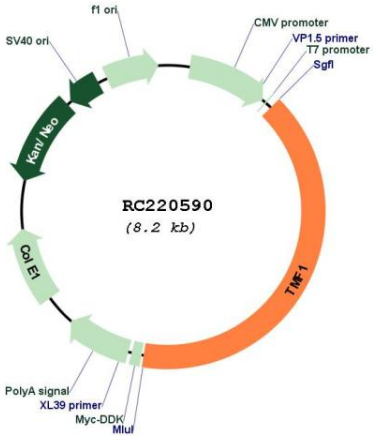
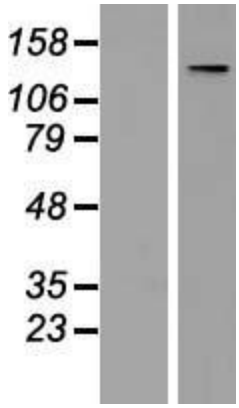
Locus ID:	7110
UniProt ID:	P82094
Cytogenetics:	3p14.1
Protein Families:	Transcription Factors
MW:	122.8 kDa
Gene Summary:	Potential coactivator of the androgen receptor. Mediates STAT3 degradation. May play critical roles in two RAB6-dependent retrograde transport processes: one from endosomes to the Golgi and the other from the Golgi to the ER. This protein binds the HIV-1 TATA element and inhibits transcriptional activation by the TATA-binding protein (TBP).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC220590



Western blot validation of overexpression lysate (Cat# [LY416194]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220590 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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