

Product datasheet for **MR210876**

Ttf1 (NM_009442) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttf1 (NM_009442) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttf1
Synonyms:	AV245725; TTF-1; TTF-I
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210876 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGGGGGCACAAAGCAAATTTAAGACCCACTGAACTTTGTACAAGAAAAAGAAATGGTCTTCTG
 TGCTGAAAAAGACCTCAGAAATGTCCCTCTCAGTGCTTGGAGAGCAAGCAGCCTCAGGTATCTGTGTT
 GGGGAAGAGGAGGAGGGCGTCCCAGACACCAGCCAGGAGACCTTAGAGAGTGAGTGGCCTCAAAAGGCC
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 TCCAGTGTCTTGTGGGAAGAGAAGGAGGGAATCCCAGACACCAGCCAGGAGAACTCGGAGAGTGAG
 CAGCCTCGGAAAGCAAGAGAAGGAGGAAGAAAAGGAAAGGGTCCCAGCAACCAACTTCTCCCTCTGA
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 GGAGTGGATATGGAACTGGGATCATCTTGTAGATAAAGAAAACATGGAGAACCTGCTAGAGACTTCT
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Protein Sequence:

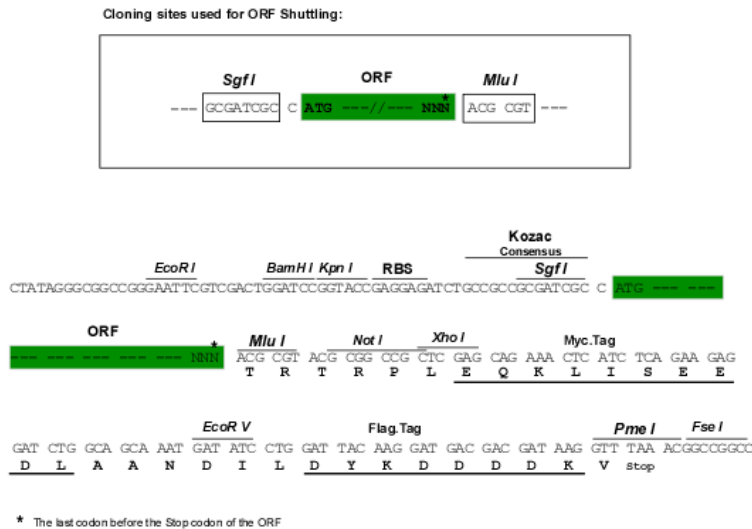
>MR210876 protein sequence
 Red=Cloning site Green=Tags(s)

MKGGTSKFKTHTETLYKKKKWSSVSEKRPQKCPSSQCLESKQPQVSVLGKRRRASQTPAQETLESEWPQKA
 KRKKRRREPQTPAQETLESEWPQKAKKKRRGEPQTPQESLESEQPPVSLGKRRRESQTPAQENSESE
 QPRKAKRRRKRKSGSQPTSSLLKTPETFLKAKKTTSAHKKKKNSVLEVDMETGIIIVDKENMENLLET
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 LPPSEPLSSEDLGKSTEA AVFCCKKSKKNVFRSQELEPIPDSDLDDSETISERLDSTHHGGAVGAGEECE
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 RDDLRGFKFKAQGVAIRFGKFS AKENKQIEKNVQDFLSLTGIESADKLLYTD RYPEEKT LITNLKRKHA
 FRLHIGKGIARPWKL VYRAKKIFDVNNYKGRYNEEDTKKLKAYHSLHGNDWKKIGAMVARSSLSVALKF
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 RVETRNWMQCKSKWTEILTKRMTHGGFVYRGVNALQAKITLIERLYELNVNDANEIDWEDLASAIGDVPP
 PFVQAKFYKLAACVPWFQKKT FPEIIDYLYKNSLPLLKEKLDKMKKKDGGQIQTPAAPKQDFLFKIDIFH
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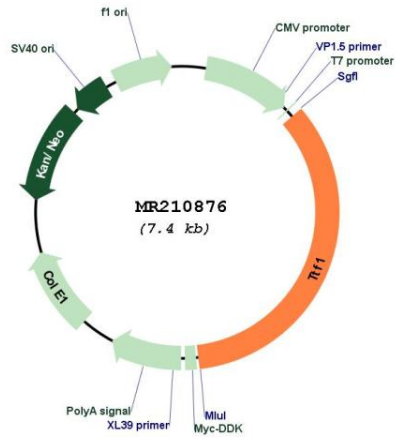
Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN:	NM_009442
ORF Size:	2580 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_009442.2 , NP_033468.2
RefSeq Size:	4170 bp
RefSeq ORF:	2580 bp
Locus ID:	22130
UniProt ID:	Q62187
Cytogenetics:	2 A3
MW:	97.7 kDa
Gene Summary:	Multifunctional nucleolar protein that terminates ribosomal gene transcription, mediates replication fork arrest and regulates RNA polymerase I transcription on chromatin. Plays a dual role in rDNA regulation, being involved in both activation and silencing of rDNA transcription. Interaction with BAZ2A/TIP5 recovers DNA-binding activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210876