

Product datasheet for **RC219341**

TAF15 (NM_003487) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF15 (NM_003487) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF15
Synonyms:	Npl3; RBP56; TAF2N; TAFII68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC219341 ORF sequence, **codon optimized**.
Due to the complexity of NM_003487, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGACAGCGGATCCTACGGGCAAAGCGGGGAGAACAACAAAGCTATTCCACTTATGGCAACCCCG
GGTCACAGGGCTACGGCCAGGCTTCACAGTCATATAGCGGATATGGTCAGACAACGGACTCCTCATACGG
CCAGAACTATAGCGGCTACTCTAGCTATGGCCAGTCTTACAGTCAGTCTTACGGGGGATACGAAAATCAG
AAGCAGAGTAGCTACAGTCAGCAGCCGTACAACAACAGGGACAGCAGCAGAACATGGAGAGCAGCGGGT
CACAGGGAGGGCGGGCCCTTCATATGACCAGCCGATTATGGCCAGCAGGACAGCTATGATCAACAGAG
CGGATACGATCAGCACCAGGGATCCTACGACGAGCAGAGCAATTACGATCAGCAGCACGACAGCTACAGC
CAGAACCAGCAGAGCTATCACTCCCAACGCGAGAATACTCCACCACACTCAGGACGACCGGAGGGACG
TTTCCCGCTACGGGAAGACAACAGGGGCTATGGAGGCTCACAAGGAGGAGGTCGGGGCCGGGAGGATA
CGATAAGGATGGGCGAGGACCCATGACAGGCTCCTCTGGCGGGGACCGCGCGGCTTCAAAAACCTCGGA
GGGCACAGAGATTACGGACCAGAACTGATGCCGACTCAGAGAGTGATAACAGTGACAACAATACCATCT
TTGTTCAAGGACTGGGGGAAGCGTGTCCACAGATCAGGTTGGAGAGTTTTTCAAGCAAAATCGGGATCAT
TAAGCGAATAAGAAAACAGGGAAGCCAATGATCAATTTGTATACTGATAAGGACACCGGCAAGCCAAA
GGGGAGGCTACAGTATCATTGATGACCCCTCCATCCGCCAAGGCCGCCATCGATTGGTTCGACGGAAAGG
AATTTACGCGAACATCATTAAAGTTTCTTTTTCGACCGAGCGGCTGAGTTTATGCGGGGTGGCGGATC
TGGCGGGGCGAAGAGGGAGAGGAGGTTACGGGGCCGCGGCGCTTCCAGGTCGAGGGGGCGATCCG
AAAAGCGGCGACTGGGTCTGCCCAACCCATCCTGCGGGAACATGAATTTGCACGCCGGAACAGTTGCA
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GCGGCGATCGATCTGGTGGAGGATGGCGGAGACAGAGTGGAGGATATGGTGGGGATCGGGGTGGCGG
ATATGGAGGAGATAGAGGCGGAGGCTATGGTGGGACCGCGCGGCTACGGTGGCGACCGAGGTGGCGGT
TATGGAGGTGACCGCGCGGATACGGTGGGGATCGGGGTGGTTACGGGGGGATAGGGGAGGCTACGGCG
GTGACAGAGGGGGCTACGGGGGGATCGCAGCCGGGAGGTTACGGCGGGGACAGAGGCGGGGGATCCGG
GTACGGCGGTGATCGGTCCGGAGGATATGGCGGGGACCGATCTGGAGGGGCTACGGCGGCGACAGAGGA
GGCGGCTATGGGGCGACAGGGGCGGATACGGAGGCAAAATGGGGGGCGGAACGATTACCGAACGATC
AGAGGAACCGACCTAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219341 representing NM_003487
Red=Cloning site Green=Tags(s)

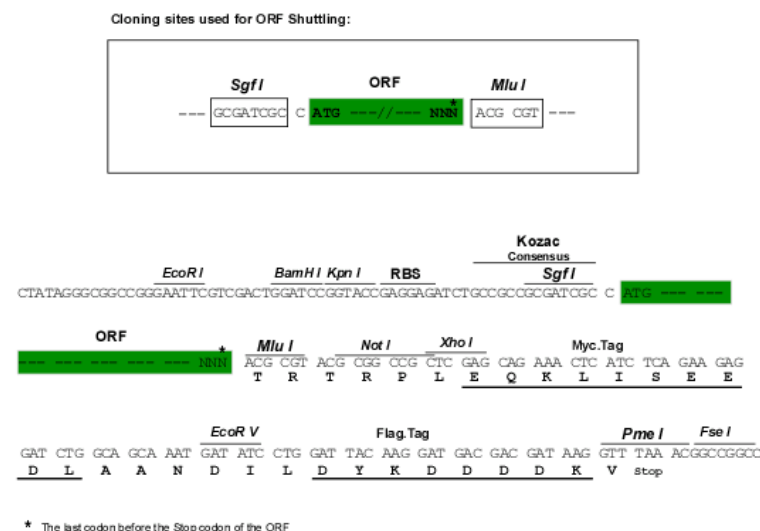
MSDSGSYGQSGGEQQSSTYGNPGSQGYGQASQYSYSGYGQTTDSSYGQNYSGYSSYGQSYQSQSYGGYENQ
 KQSSYSQQPYNQGGQQNMESSGSQGGRAPSYDQPDYGGQDSYDQSQSYDQHQSDEQSNYDQQHDSYS
 QNQQSYHSQRENYSHHTQDDRRDVSRYGEDNRGYGGSQGGGRGGYDKDGRGPMTGSSGGDRGGFKNFG
 GHRDYGPRTDADSESDNSDNNTIFVQGLGEGVSTDQVGEFFKQIGI IKTNKKTKGPMINLYTDKDTGKPK
 GEATVSFDPPSAKAAIDWFDGKEFHGNI IKVSFATRRPEFMRGGSGGRRRGGYRGRGGFQGRGGDP
 KSGDWVCPNPSCGNMNFARRNSCNQCNEPRPDSRPSGGDFRGRGYGGERGYRGRGGRGGDRGGYGGDRS
 GGGYGGDRSSGGYGSDRSGGYGSDRSGGYGSDRSGGYGSDRSGGYGSDRSGGYGSDRSGGYGSDRSGGY
 YGGDRGGYGGDRGGYGGDRGGYGGDRGGYGGDRGGYGGDRGGYGGDRGGYGGDRGGYGGDRGGYGGDRGG
 GGYGGDRGGYGGKMGGRNDYRNDQRNPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_003487

ORF Size: 1767 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_003487.1](#), [NM_003487.2](#), [NM_003487.3](#), [NP_003478.1](#)

RefSeq Size: 2208 bp

RefSeq ORF: 1770 bp

Locus ID: 8148

UniProt ID: [Q92804](#)

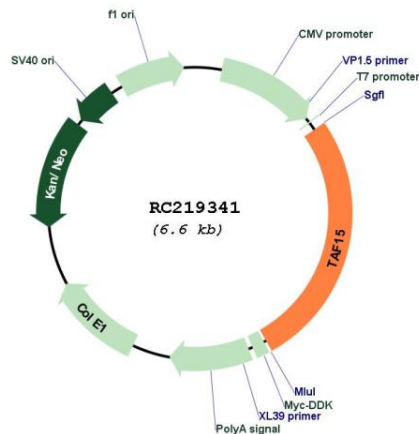
Cytogenetics: 17q12

Protein Families: Druggable Genome

MW: 61.6 kDa

Gene Summary: This gene encodes a member of the TET family of RNA-binding proteins. The encoded protein plays a role in RNA polymerase II gene transcription as a component of a distinct subset of multi-subunit transcription initiation factor TFIID complexes. Translocations involving this gene play a role in acute leukemia and extraskeletal myxoid chondrosarcoma, and mutations in this gene may play a role in amyotrophic lateral sclerosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

Product images:



Circular map for RC219341