

Product datasheet for **MR217171**

Taf5 (NM_177342) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf5 (NM_177342) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf5
Synonyms:	6330528C20Rik; AV117817
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217171 representing NM_177342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGCTGGCGGAGGAGCAGACGGAGGTGGCGGTCAAGCTAGAGCCTGAGGGACCGCCGACGCTGC
 TACCTCCGCAGGCTGGCGACGGCGCAGGCGAGGGGAGCGCGGCACTCCCAACAACGGCCCAACGGCGG
 CGGCGCGGGAATGTGGCAGTGGCAGCGCGCGCCGGCGGGGACGCGGGACCCCAAGCCTGGGGTGGCT
 GTCTCCGCGCTGCCCGGGGGGGCGCCCGGTGCCGCGCTCCGGCGGAGGCCGGCGCTCCCCACG
 ACCGACAGACCCTCTGGCCGTGCTGCAATTCCTCCGGCAGAGCAACCTCCGCGAGGCCGAAGAGGCGCT
 GCGCCGGGAGGCCGGCTGCTGGAGGAGCGGTGGCGGGCTCCGGAGCTCCGGGAGAGTTGGACGGGGCC
 GCGCGGAGGCGCCAGCGCGCTTCTCAGCCGGGTACCCTTCAGTTCCCGGCTCTGCGGCCCGGAGC
 CTCGGGGACGGGCGCTCGGTGACCTCGGTGTTCTCGGGTTCAGCTCAGGCTCTGCGGCTCCGGGAAA
 GGTTGCAAGTGTAGCTGTGAAGACCAGCCAGACGTCAGTGTCTTGTGCGCCTACAACCAACAAGGA
 GACCCTACAATGTATGAAGAATACTACAGTGGACTGAAACACTTCATTGAATGTTCTCTGGACTGCCATC
 GAGCAGAGTTATCCCAACTCTTTATCCTCTGTTGTACATATGTAAGTGGAGCTAGTTTATAATCAACA
 TGAAAAAGAAGCAAAATCATTCTTTGAGAAGTTCATGGAGATCAGGAATGTTACTACCAGGATGACCTA
 CGAGTGTATCTAGTCTTACAAAAAGGAGCACATGAAAGGGAACGAGACCATGCTGGACTTTCGGACGA
 GTAATTCGTTCTCCGCATTTCCCGGACTCGTACCAGCTTGAAGCGGCATCTCCAGGAGAAGCAGAA
 CAATCAGATCTGGAACATCGTGCAGGAGCACCTACATCGACATCTTCGACGGGATGCCTCGCAGTAAG
 CAACAGATCGACCCATGGTGGCAGCCTGGCAGGAGAGGCGAAACGAGAGGCGAAACAAATCGAAGTAT
 TTTTGGTTTACTAAAAGAACCAGAAATGAGGTGCCTTTGGATGATGAGGACGAAGAAGGAGAAAATGA
 AGAAGGAAAACCTAAAAAGAAGAAGCCTAAGAAGGATAGTATTGGCTCTAAAAGCAAAAAACAAGATCCC
 AATGCCCGCCTCAAAACAGAATTCCTCTCTGAGTTAAAAGATTGAGCAAACTGGACAAAATATGA
 ATATGAAAGAACTACAAACGAGTGCCTCGGGCCAGACTGTTTACCCTCCATTTGTTTCTATACATT
 CCTTAATGCTTACCAGGGCCTCACTGCAGTGGATGCTACTGATGACTCTAGTCTGATTGCTGGAGTTTT
 GCTGATCAACTGTCAGAGTGTGGTCTGTGACCCCTAAAAGCTTCGTAGTGTCAAACAAGCATCAGATC
 TTAGTCTTATAGACAAAGAATCAGATGATGTCTTAGAGAGAATCATGGATGAGAAAAGTCAAGTGAAGT
 GAAGATTTTGTATGGTCACAGTGGCCTGTCTATGGAGCCAGCTTCAGTCCGGATAGGAACCTACTACTC
 TCCTCTCAGAGGATGGAAGTGTAGACTCTGGAGCCTTCAGACTTTCATTGCTTGGTTGGGTATAAAG
 GACACAACCTACCCAGTATGGGACACACAGTTTTCTCCATACGGATATTATTTCTGTGTCAGGAGGCCATGA
 CCGAGTAGCTCGGCTTTGGGCTACCGATCACTATCAGCCTTTGAGGATATTTGCTGGCCATCTTGCTGAT
 GTGAATTGCACTAGATTTTCAATCGAACTATGTTGCTACGGGCTCTGCAGACAGAACTGTGCGGC
 TCTGGGATGTCCTCAATGGTAAGTGTGAAGAATCTTCACTGGGCACAAGGGACCAATTCATTCTTGAC
 ATTTTCTCCCAATGGGAGATTCTGGCTACAGGAGCAACAGATGGCAGAGTACTTCTTTGGGATATTGGA
 CACGGCTTGATGGTTGGAGAATAAAAGGCCACACTGATACAGTGTGTTCACTTAGGTTTAGTAGAGATG
 GTGAAATTTGGCATCAGGTTCAATGGATAATACAGTCCGGTTATGGGACGCGTCAAAGCGTTTGAAGA
 CTTAGAGACTGATGACTTTACTACAGCCACCGGCATATAAACCTACCTGAGAATCCCAGGAGTTGTTA
 TTGGGTACATATATGACCAATCAACACCAGTTGTACACCTACATTTTACAAGAAGAACTTGGTTCTAG
 CTGCAGGAGCTTACAGTCCGCAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217171 representing NM_177342
Red=Cloning site Green=Tags(s)

MAALAEEQTEVAVKLEPEGPPTLLPPQAGDGAGEGSGGTPNNGPNGGGGNVAVAAAAGDGGTPKPGVA
VSAAAPAGAAPVPAAPAEAGAPHDRQTLLAVLQFLRQSNLREAEALRREARLLEEAVAGSGAPGELDGA
GAEASALLSRVTASVPGSAAPEPPGTGASVTSVFSGSASGPAAPGKVASVAVEDQPDVSAVLSAYNQQG
DPTMYEEYYSGLKHFIECSLDCHRAELSQLFYPLFVHMYLELVYNQHENEAKSFFEKFHGDQECYQDDL
RVLSSLTKKEHMKGNETMLDFRTSKFVLRISRDSYQLLKRHLQEKQNNQIWNIVQEHLIDIFDGMPSK
QQIDAMVGS LAGEAKREANKSKVFFGLLKEPEIEVPLDDEDEEGENE EGPKKKKPKKDSIGSKSKKQDP
NAPPQNR IPLPELKDSKLDKIMNMKETT KRVR L GPDCLPSICFYTF LNAYQGLTAVDVTDDSSLIAGGF
ADSTVRVWSVTPKKLRSVKQASDLSLIDKESDDVLERIMDEKTASELKILYGHSGPVYGASFSPDRNYLL
SSSEDGTVRLWSLQFTCLVGYKGHNYPVWDTQFSYGYFVSGGHRVARLWATDHYQPLRIFAGHLAD
VNCTRFHPNSNYVATGSADRTVRLWDLNGNCVRIFTGHKGPIHSLTFSPNGRFLATGATDGRVLLWDIG
HGLMVGELKGHTDTVCSLRF SRDGEILASGSM DNTVRLWDAVKAFEDLETDFFTATGHINLPENSQELL
LGT YMTKSTPVVHLHFTRRNLVLAAGAYSPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9049_b08.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_177342

ORF Size: 2403 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_177342.3](#), [NP_796316.2](#)

RefSeq Size: 3258 bp

RefSeq ORF: 2406 bp

Locus ID: 226182

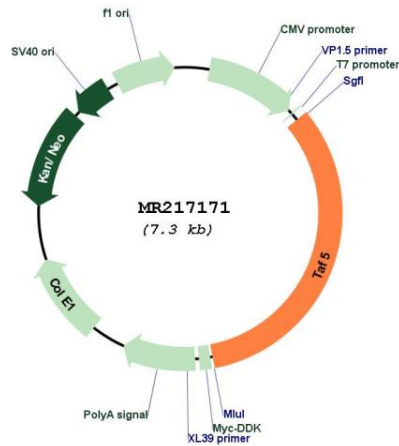
UniProt ID: [Q8C092](#)

Cytogenetics: 19 C3

MW: 87.4 kDa

Gene Summary: TAFs are components of the transcription factor IID (TFIID) complex, PCAF histone acetylase complex and TBP-free TAFII complex (TFTC). TAFs components-TIIFD are essential for mediating regulation of RNA polymerase transcription. TAF5/TAFII100 interacts strongly with the histone H4-related TAF6/TAFII80 and the histone H3-related TAF9/TAFII31, as well as a stable complex comprised of both TAF5/TAFII80 and TAF6/TAFII31. Apparently weaker interactions of TAF5/TAFII100 with TBP, TAF1/TAFII250, TAF11/TAFII28, and TAF12/TAFII20, but not TAF7/TAFII55, also have been observed (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217171