

Product datasheet for MR205109

Taf7 (NM_175770) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf7 (NM_175770) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf7
Synonyms:	55kDa; AI607308; BB007175; Taf2f; TAFII55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205109 representing NM_175770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAAAGAACAAGACGATGCGCCTCATGAGCTAGAGAGCCAGTTTATCTTACGACTGCCCCAGAAT
ATGCCGCTACGGTGAGGAGGGCAGTGCAGTCTGGGCATGTCAACCTGAAAGACAACTGAGCATTGAGTT
ACACCCTGATGGGCGTCACGGCATTGTCAGAGTGGATCGAGTGCCTTGGCTGCAAATTTGGTCGATTTG
CCTTGTGTACGAAAAGCTTAAAAACATCGATAAGAAAACCTTTTACAAGACAGCTGATATCTCTCAGA
TGCTTGTAGCCACAGTAGATGGTGACCTATACCCTCCTGTGGAGGAGGCAGCTGCCACTGCTGATCCCAA
AGCAAACAAGAAAAAGATAAAGGACAAAGAGAAAAAGTTTGTGGAACCATGGAATTACTCTACCTCTA
AAAAATGTCAGAAAGAGACGGTTCGGAAGACAGCAAAGAAGAAGTACATTGAATCTCCGGATGTGGAAA
AAGAAGTCAAGCGTCTGCTGAGTACAGATGCAGAAGCTGTGAGTACTCGTTGGGAGATAATTGCTGAAGA
TGAAACAAAGGAGACAGAAAATCAAGGCCTGGACATCTCTTCCAGGAATGTCTGGCCACAGGCAAGGC
CATGACTCACTAGAGCATGATGAGCTTCGAGAGATATTCAATGACCTCAGCAGCAGCAGTGAAGTGAAG
AAGACGTAACATCCTTGACACTGAGGAAGATCTGGAGAGACAGCTACAAGACAAGCTAAATGAATCCGA
CGAGCAACACCAAGAAAATGAAGGAACCAATCAGTTGGTTATGGGAATTCAGAAGCAGATAGATAACATG
AAAGGCAAGCTCCAAGAAACCAAGACAGGGCAAAGCGCCAGGAAGATCTCATTATGAAGGTAGAAAACC
TGGCTCTCAAGAACAGGTTTCAGGCAGTTCTGGATGAGCTCAAACAAAAAGAAGCCGCGAAAAGGAGCA
GCTTAGCTCTTTCAGGAAGAGCTGGAATCACTTCTGGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205109 representing NM_175770
Red=Cloning site Green=Tags(s)

MSKNKDDAPHELESQFILRLPPEYAATVRRAVQSGHVNLKDKLSIELHPDGRHGI VRVDRVPLAAKLVDL
 PCVTE~~SLK~~TIDKKT~~FYK~~TADISQMLVATVDGDL YPPVEEAAATADPKANKKKDKDKEK~~FV~~NHGITLPL
 KNV~~RKR~~FRK~~TAK~~KYIESPDVEKEVKRLLSTDAEAVSTRWEIIAEDETKETENQGLDISSPGMSGHRQG
 HD~~SL~~E~~H~~DELREIFNDLSS~~SE~~DEEDVNILDTEEDLERQLQDKLNE~~S~~DEQH~~Q~~ENEGTNQLVMGIQKQIDNM
 KGKLQETQDRAKRQEDLIMKVENLALKNRFQAVLDELKQKEDREKEQLSSLQEEL~~ES~~LLEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175770

ORF Size: 1023 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_175770.4](#), [NP_786964.1](#)

RefSeq Size: 3302 bp

RefSeq ORF: 1026 bp

Locus ID: 24074

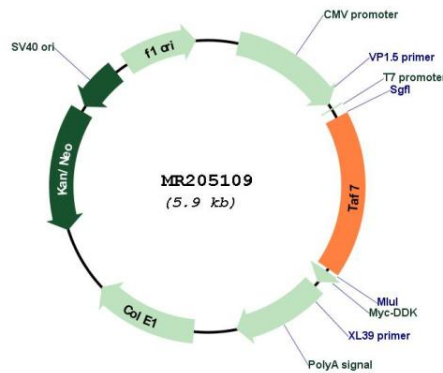
UniProt ID: [Q9R1C0](#)

Cytogenetics: 18 B3

MW: 39.1 kDa

Gene Summary: Functions as a component of the DNA-binding general transcription factor complex TFIID, a multimeric protein complex that plays a central role in mediating promoter responses to various activators and repressors. Present in both of the previously described TFIID species which either lack or contain TAFII30 (TFIID alpha and TFIID beta respectively). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205109