

Product datasheet for **MC225024**

Taf1 (NM_001081008) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1 (NM_001081008) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Taf1
Synonyms:	250kDa; AU015687; B430306D02Rik; Ccg-1; Ccg1; KAT4; N-TAF1; Taf2a; TAFII250
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225024 representing NM_001081008 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCCGGGTGGGCTGGGCTGCTGCAGGACAAGGGTGGCGGTAGCCCTTCCGTCGTCATGTCCGACA
CAGACAGCGACGAAGAGTCGGCTGGTGGAGGCCATTTCTCTAACTGGGTTCTGTTCGGCAACATCAA
TGGAGCAGGGCAGTTGGAAGGCGAAAGCGTCTTGGATGACGAGTCAAGAAGCATCTTCCGGGCTTGGGG
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GAAGATGACTATGATGCTGATTGTGAAGATATTGATTGCAAATGATGCCTCCTCCACCTCCACCCCCAG
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ATGCTCAGAACATGCCTAGAATTTGGAGCCTCCTGTTTTGACACTTGATCCCAATGATGAGAAGCTTGAT
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TCTTGCAGATGAAGAGGAAGGAAGTGTACAACAGCCCCAAGCCAGTGTCTTGTATGAGGATTTGCTTATG
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TCAAGAGAATACAAGGATGGGCATGGAAAATGAAGAAAGCATGATGTCTATGAGGGAGATGGTGGGGAC
GCTTCCCGTGGTTTGGAGGATAGCAACATCAGTTATGGGAGCTATGAGGAGCCTGATCCCAAGTCCAACA
CCCAGGATACCAGCTTCAGCAGCATCGGTGGGTATGAGGTATCAGAGGAGGAAGAAGATGAGGAAGAGCA
GCGCTCTGGGCCAGCGTACTAAGCCAGGTCCACCTCTCAGAGGACGAGGAGGACAGTGAGGATTTCCAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001081008
Insert Size:	5709 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001081008.1, NP_001074477.1</u>
RefSeq Size:	8060 bp
RefSeq ORF:	5709 bp
Locus ID:	270627
Cytogenetics:	X 44.29 cM
Gene Summary:	Largest component and core scaffold of the TFIID basal transcription factor complex (PubMed:10438527). Contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors. Phosphorylates TP53 on 'Thr-55' which leads to MDM2-mediated degradation of TP53. Phosphorylates GTF2A1 and GTF2F1 on Ser residues. Possesses DNA-binding activity. Essential for progression of the G1 phase of the cell cycle. Exhibits histone acetyltransferase activity towards histones H3 and H4. [UniProtKB/Swiss-Prot Function]