

Product datasheet for MR231893

Taf1 (NM_001290729) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1 (NM_001290729) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf1
Synonyms:	AU015687; B430306D02Rik; Ccg-1; Ccg1; KAT4; N-TAF1; p250; Taf2a; TAFII250
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231893 representing NM_001290729 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

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CAGACAGCGACGAAGAGTCGGCTGGTGGAGGCCATTTCTCTAACTGGGTTCTGTTCCGCAACATCAA
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GAATTTTGGAGCCTCCTGTTTTGACACTTGATCCCAATGATGAGAACTTGATTTTGGAGATCCCTGATGA
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Protein Sequence:

>MR231893 representing NM_001290729
 Red=Cloning site Green=Tags(s)

MGPGWAGLLQDKGGGSPSVVMSDSDSDEESAGGGPFLSLTGFLFGNINGAGQLEGEVSLDDECKKHLAAGL
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 ENFLMVTQLHWEDDIWGDGDKHKGKTPQRASLAGWLPSSMTRNAMAYNVQQGFATLDDDKPWYSIFP
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 ELIVKNSATYNGPKHSLTQISQSMDLDCDEKLKEKEDKLARLEKAINPLDQVAFSFLDNIIVTQKM
 MAVPDSWPFHPVKNKFVPDYKIVVSPMDLETIRKNI SKHKYQSRESFLDDVNLILANSVKYNGPESQY
 TKTAQEI VNVCHQTLTEYDEHLTQLEKDICTAKEAALEEALES LDPMTGPYTPQAKPPDYDNNSTLS
 VSRDASVYQDESNLVSLDIPSATSEKQLTQEGGDGDLADEEEGTVQQPQASVLYEDLLMSEGEDDEED
 AGSDEEGDNPFFAIQLSESGSDSDVESGSLRPKQPRVLQENTRMGMENEESMSYEGDGGDASRGLEDSN
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 SDE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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:	<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_001290729.1 , NP_001277658.1
RefSeq Size:	8033 bp
RefSeq ORF:	5682 bp
Locus ID:	270627
UniProt ID:	Q80UV9
Cytogenetics:	X 44.29 cM
MW:	215.1 kDa
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]