

Product datasheet for **RN202221**

Taf1c (NM_001014155) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1c (NM_001014155) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Taf1c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202221 representing NM_001014155
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTCCCCAGCACCTGCGTCCTTGTGTTTATGGCCGGTCTCTTGGCATGACTGATGGCCCCG
 ACTTGTCTTCATGTGCAGCTGGAGAGATGCACTGACCCTGCCAGGGGCCAGCCACAGAAGCTGCAGGGA
 CCAGACATCGTCTTTGCCAAGAACCTGCTGTGGGAGCCATCGACACCAGGACCCCTGCCCTGGTGCCT
 CCTGGCCCTGATCCCTGGGACCCCTGGTCTGGCAGCTCAGGACTTCTCTTCCGGGGAGGTCCTACTACC
 AGTACCAGTCTCGAGTTGTGCTGGATGTCACTGAGCAGCTCAGCCGCTTCTGTGGGACCATGGGGATAT
 AGCCTTTGCACCCCTGGGAACTCATGCTGGAGAAGTTCAGATTGGAGGGGAACCGGGGCTACTCGAAA
 AAGGTGACCATAGTCAGCGTGAAGAGGCTGCTCAGGACCTCGGTGGACACCAGCCCTGGGGGTGCCT
 GGGCTTCCCTCAGCCGCCGGCTACGTCGATTCTCTATCCTGGGGGTCCCGTCTAAGCAGTCCGTGTC
 ATTGCTCATGGGAGGTTGCTGCATGAAGAGCTGGCCACGAGGTGGGAGCAGTTGCTGATGGATGAGGCC
 TTCACCGGGGTGCTTTGGCCTGGCTGCCTGGAAGGACAGCACGGGCCGGGACAGTGGTCTACCCTAGT
 GAGGTGCCTTGGACAAGCTGTATTTCCAGGAGGTCAAGTGTGAATTCAGGTGGCAACCCCTCGGGTCTTGA
 GGACCCTGGGCACATCCAGCTGCGGGGACCTGTACGGCAGGTGGTACTAGCACTGTCCAGGGAGAAACG
 CTTCTGGCCGTCCTGCTGACTACCACTGTGCTGTGTGGAAGATTGATAAGCAGGAGCCACCAGCACCCC
 TGCAGGTGCTACAGGTGGAGAAGGGAGCCACTGGTATTAGCCTCAGCCCTCACCTGTGAGGAGAGCTGGC
 CATCTGCAGCCGTTCTGGAAGTGTGTCTGTGGACCCCAAGATGGACTGCAGACAATCTACAAGGAC
 CTTGAGACGCTTGCCTTCCGTGATCCGTCTCCCTGGCGCTGGGACAGCTTACTGCCATCCCCGGGTGC
 TGACTGTGGGGACCCGACGGGTGTGAAAATGGTTGATATTCAGGGCCCGGGGCTGTGGCTGTGCT
 GTTCTGTGCTGGAGCAGAAGCTGCTGCCAGAAAGGAGAACGGGTGTGCTTGCCAGTACCTCGGGCAG
 CCGGGTCTGCCTCTACGTCTCTACATCTCATCTGCACCCAGTTCTCGATCTACCTGATGGATGAGCGCC
 TCCCCCTGGTGCCAATGCTTAAGTGGGACCATGGCCTGCCATCTGCACCCCTGCTTGCCCGCTGTACC
 CCCAGTACTGCTGGCTATCCCCGGCCCTGCTACTGGGGGCCAGGGTGGACAGGTTCACTGCTTAC
 ATAGCAGGAGAGGGGACTTCCATTCCCCAGCTGGCAGGACCTCCTCAGTCTTGCCTCCATCACCGACT
 CCCTCTCTGCCTTCCCCTGCTGGAACCAAGAGGCAGCAGCAGCTGCAGGAACCTGTGGAGGCGCCGT
 CATAGGTCTGGCCGCTGCCCGCCCTGTGCTCTGCGCCAGGCTGTGCTCTTCCAGCTCTCAGCAGCT
 GGGGACGCTTCTACCAGCACTGCGCATCCAGCAAACCTCCAGCCTCAGAGAGCCTGATCACCCAGCAC
 CAGAACCGCCTGCATCCAGGGCGGCAGCACCTCCAGTGGACCAGGGATCCACACCCTCTTGACCTCTCG
 GGCCAGTGCCCGTTGCAGCCGCTGGTTGGAGGCGCTGATGGAGTTGTCCCCCACTAATCCAGTGTGGGT
 GCCCCACCTTCTCCACCGCCGTTTTCTGGGCCACATGGAGCGGCAGAGAGCCAGGAGACCCTGGCAC
 AGAAGCTCCAAGCAGCCATGGCCAAGGGGACGCTCCTGCGGCCTGGGACCTCGGTACACTCCCCAAGGC
 AGAGCCACCCCTGCACCGCAGTGTAGCCAGCAGGATGAGCTCACTGAGCGCTTAACCAAGCCTGGGAA
 GGCCAGGACGCTGCCTGGTGGAAAAGACATCAAGATCAGACCTCCGGGTCCAGAGACAATCCAAGCGGC
 CCAAGCGCCGACTCAGCTCTCTAGCACCTTCTCTCGTTACAAGCTACATGGACTCCCCAGATGCCAG
 CAGTGGCCCTCACAGCCAAGACCTCTAACTCTGAGGCCTGCCCTCAGCCACCCAGGACTCCACCCTCC
 CAGGAGTTAACGCAGGAGCTGTGGGCCCAAGGTGTGCAGCATGAACGTCGCCAGACCCTCCGGGACTACA
 TGGCCAAGCTGCCACTTCAAGACAATCCAGGACCTGTGGCTACACCGCCCTCCCAGACCTTAGCCGCCA
 GACCAGTCTTTCAGGCAGAAACACCTGTCTCTGGCTCCCATCCTCCCCGGAAGAAGCCACGAATG
 GGCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014155
Insert Size: 2529 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:	NM_001014155.1 , NP_001014177.1
RefSeq Size:	3160 bp
RefSeq ORF:	2529 bp
Locus ID:	361420
UniProt ID:	Q6P773
Cytogenetics:	19q12
Gene Summary:	Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (preinitiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1/TIF-IB with the rDNA promoter. SL1/TIF-IB is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA. Formation of SL1/TIF-IB excludes the association of TBP with TFIID subunits. Recruits RNA polymerase I to the rRNA gene promoter via interaction with RRN3 (By similarity).[UniProtKB/Swiss-Prot Function]