

Product datasheet for **MC207415**

Tbp (NM_013684) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbp (NM_013684) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tbp
Synonyms: Gtf2d; GTF2D1; SCA17; TFIID
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207415 representing NM_013684
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACCAGAACAACAGCCTTCCACCTTATGCTCAGGGCTTGGCCTCCCCACAGGGCGCCATGACTCCTG
GAATCCCATCTTTAGTCCAATGATGCCTTACGGCACAGGACTTACTCCACAGCCTATTCAGAACACCAA
CAGTCTCTCTATTTTGGAAAGAGCAACAAGACAGCAGCAGCAACAGCAACAGCAGCAGCAACAACAGCAG
GCAGTAGCAACTGCAGCAGCCTCAGTACAGCAATCAACATCTCAGCAACCCACACAGGGTGCCTCAGGCC
AGACCCCAACAACCTTCCATTCTCAAACCTGACCACTGCACCGTTGCCAGGCACCAACCCCTTGTACCC
TTCACCAATGACTCCTATGACCCCTATCACTCCTGCCACACCAGCTTCTGAGAGCTCTGGAATTGTACCG
CAGCTTCAAAATATTGTATCTACCGTGAATCTTGGCTGTAACCTTGACCTAAAGACCATTGCACTTCGTG
CAAGAAATGCTGAATATAATCCCAAGCGATTTGCTGCAGTCATCATGAGAATAAGAGAGCCACGGACAAC
TGCGTTGATTTTCAGTTCTGGAAAAATGGTGTGCACAGGAGCCAAGAGTGAAGAACAATCCAGACTAGCA
GCAAGAAAAATGCTAGAGTTGTGCAGAAGTTGGGCTTCCAGCTAAGTTCTTAGACTTCAAGATCCAGA
ACATGGTGGGAGCTGTGATGTGAAGTTCCTATAAGGCTGGAAGGCCTTGTGCTGACCCACCCAGCAGT
CAGTAGCTATGAGCCAGAATTATTTCTGGATTAATCTACAGAATGATCAAACCCAGAATTGTTCTCCTT
ATTTTTGTTTCTGAAAAAGTTGTATTAACAGGTGCTAAAGTTAGAGCAGAGATTTATGAAGCATTGAAA
ACATCTACCCCATCTAAAGGGATTCAGGAAGACCACATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013684
Insert Size: 951 bp



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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_013684.3 , NP_038712.3
RefSeq Size:	1842 bp
RefSeq ORF:	951 bp
Locus ID:	21374
UniProt ID:	P29037
Cytogenetics:	17 8.95 cM
Gene Summary:	General transcription factor that functions at the core of the DNA-binding multiprotein factor TFIID. Binding of TFIID to the TATA box is the initial transcriptional step of the pre-initiation complex (PIC), playing a role in the activation of eukaryotic genes transcribed by RNA polymerase II. Component of a BRF2-containing transcription factor complex that regulates transcription mediated by RNA polymerase III. Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (pre-initiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1 with the rDNA promoter. SL1 is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA.[UniProtKB/Swiss-Prot Function]