

Product datasheet for MC203695

Gtf2b (NM_145546) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2b (NM_145546) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtf2b
Synonyms:	MGC6859
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC016637 CGGAGCTGTTGGCGGAGCCGCGAAGATGGCGTCGACCAGCCGTTTGGATGCTCTCCCAAGAGTCACATGT CCGAATCATCCAGATGCAATTTTAGTTGAAGACTACAGAGCTGGCGATATGATCTGTCCGAATGTGGCC TAGTTGTAGGGGACCGAGTTATTGATGTGGGATCTGAATGGAGAAGTTTTCAGCAATGACAAGCAACAAA AGACCCATCTAGAGTTGGAGACTCTCAGAATCCTCTTCTGAGTGATGGAGATTTGTCCACCATGATTGGC AAGGGTACAGGAGCTGCAAGTTTTGATGAGTTTGGCAATTCTAAGTATCAGAACCGGAGAACAATGAGTA GCTCTGATCGAGCAATGATGAACGCATTCAAGGAAATCACGACCATGGCGGACAGAATCAACCTCCCTCG CAATATAGTTGATCGAACAAATAATTTATTCAAGCAAGTGTATGAGCAGAAGAGCCTGAAGGGCAGAGCT AATGACCGGATAGCCTCTGCTTGTCTGTACATCGCCTGTAGACAAGAAGGCGTTCCAGGACATTTAAAG AAATATGTGCTGTGTCTCGAATCTCTAAGAAAGAAATTTGGCCGCTGTTTTAAACTGATTTTGAAAGCTCT GGAAACCAGCGTGGATCTGATCACAACCTGGGACTTCATGTCCAGTTCTGCTCCAACCTTTGCCTCCCC AAGCAAGTGCAGATGGCAGCTACACACATAGCCCGCAAGGCAAGTGGAGCTGGACTTGGTTCTGGCAGGA GCCCGATCTCTGTGGCGGAGCAGCTATTTACATGGCTTCCAGGCTTCCAGCTGAGAAGCGAACACAGAA AGAAATCGGGGATATTGCTGGTGTGCTGATGTTACAATCCGACAGTCTACAGACTGATCTACCCTCGG GCTCCGGATCTCTCCCTTCCAGACTTCAAGTTTGACACCCAGTGGACAAATTACCCAGCTATAAGCTG AGGCAACTAAGTGCACACTCTTAATGTACATGGAATATGGAACCTTTGTACATAGCCACACAGTGTGGT TGAGCCTTAAATGAGGAAAAAGGAGATGGTACCATTCCAGAGCTAAATATTATTGCTTAGTCTTCTGTA TGTATATACTAGTGCAACATATTTAATGACTTAAATTTCTACTGAATCTGCTTTCTTTTTTAGTGATCT AGGAAACAGTATTTTGGAAAGTATTAATAATGTAATTCTCAAATAAAAATTTAAACCAAAAAAAAAAAAAA AAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_145546
Insert Size:	951 bp



[View online »](#)

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:	BC016637 , AAH16637
RefSeq Size:	1267 bp
RefSeq ORF:	951 bp
Locus ID:	229906
UniProt ID:	P62915
Cytogenetics:	3 H1
Gene Summary:	General transcription factor that plays a role in transcription initiation by RNA polymerase II (Pol II). Involved in the pre-initiation complex (PIC) formation and Pol II recruitment at promoter DNA. Together with the TATA box-bound TBP forms the core initiation complex and provides a bridge between TBP and the Pol II-TFIIF complex. Released from the PIC early following the onset of transcription during the initiation and elongation transition and reassociates with TBP during the next transcription cycle. Associates with chromatin to core promoter-specific regions. Binds to two distinct DNA core promoter consensus sequence elements in a TBP-independent manner; these IIB-recognition elements (BREs) are localized immediately upstream (BREu), 5'-[GC][GC][GA]CGCC-3', and downstream (BREd), 5'-[GA]T[TGA][TG][GT][TG][TG]-3', of the TATA box element. Modulates transcription start site selection. Exhibits also autoacetyltransferase activity that contributes to the activated transcription.[UniProtKB/Swiss-Prot Function]