

Product datasheet for SC208221

TATA binding protein (TBP) (NM_003194) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TATA binding protein (TBP) (NM_003194) Human 3' UTR Clone
Symbol:	TATA binding protein
Synonyms:	GTF2D; GTF2D1; HDL4; SCA17; TFIID
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003194
Insert Size:	624 bp
Insert Sequence:	>SC208221 3'UTR clone of NM_003194 The sequence shown below is from the reference sequence of NM_003194. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATTCTAAAGGGATTAGGAAGACGACGTAATGGCTCTCATGTACCCTTGCCTCCCCACCCCTTCTTT
TTTTTTTTTAAACAAATCAGTTTGTGGTACCTTTAAATGGTGGTGTGTGAGAAGATGGATGTTG
AGTTGCAGGGTGTGGCACCAGGTGATGCCCTTCTGTAAGTGCCACCGGGATGCCGGAAGGGGCAT
TATTTGTGCACTGAGAACACCGCGCAGCGTGACTGTGAGTTGCTCATACCGTGCTGCTATCTGGGCAGC
GCTGCCATTTATTTATATGTAGATTTTAAACTGCTGTTGACAAGTTGGTTTGAGGGAGAAAACCTT
AAGTGTTAAAGCCACCTCTATAATTGATTGGACTTTTTAATTTAATGTTTTCCCATGAACCACAGT
TTTTATATTTCTACCAGAAAAGTAAAAATCTTTTTTAAAAGTGTTGTTTTCTAATTTATAACTCCTAG
GGGTTATTTCTGTGCCAGACACATTCCACCTCTCCAGTATTGCAGGACAGAATATATGTGTTAATGAAA
ATGAATGGCTGTACATATTTTTTCTTTCTTCCAGAGTACTCTGTACAATAAATGCAGTTTATAAAAGTG
TTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_003194.5
Summary:	Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes TBP, the TATA-binding protein. A distinctive feature of TBP is a long string of glutamines in the N-terminus. This region of the protein modulates the DNA binding activity of the C terminus, and modulation of DNA binding affects the rate of transcription complex formation and initiation of transcription. The number of CAG repeats encoding the polyglutamine tract is usually 25-42, and expansion of the number of repeats to 45-66 increases the length of the polyglutamine string and is associated with spinocerebellar ataxia 17, a neurodegenerative disorder classified as a polyglutamine disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2016]
Locus ID:	6908
MW:	24.4