

Product datasheet for **SC117107**

TBPL1 (NM_004865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBPL1 (NM_004865) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBPL1
Synonyms:	MGC:8389; MGC:9620; STUD; TLF; TLP; TRF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117107 sequence for NM_004865 edited (data generated by NextGen Sequencing) ATGGATGCAGACAGTGTGTTGCATTGGACATTCTAATTACAAATGTAGTCTGTGTTTT AGAACAAGATGTCATTTAACTTAAGGAAGATTGCTTTGGAAGGAGCAAATGTAATTTAT AAACGTGATGTTGAAAAGTATTAATGAAGCTTAGAAAACCTAGAATTACAGCTACAATT TGGTCCTCAGGAAAAATTATTTGCACTGGAGCAACAAGTGAAGAAGAAGCTAAATTTGGT GCCAGACGCTTAGCCCGTAGTCTGCAGAACTAGGTTTTTCAGGTAATATTTACAGATTTT AAGGTTGTTAACGTTCTGGCAGTGTGTAACATGCCATTTGAAATCCGTTTGCCAGAATTC ACAAAGAACAATAGACCTCATGCCAGTTACGAACCTGAACTTCATCCTGCTGTGTGCTAT CGGATAAAATCTCTAAGAGCTACATTACAGATTTTTTCAACAGGAAGTATCACAGTAACA GGGCCCAATGTAAGGCTGTTGCTACTGCTGTGGAACAGATTTACCCATTTGTGTTTGA AGCAGGAAAGAAATTTTATAA Clone variation with respect to NM_004865.2 309 a=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004865 unedited TTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGGGAGCGCGCCCGT CTCATCCTCATCCTTGTCTCCAGCTTCTCCTTCGCATCCGACGCAACCGGCAGCAGCGC TGCCGCGCGTCTCAGCCACCGCTCCCTCTTCCCACGGATGTGATCTTCGTGGTGGAAA GCTAAATTTTAAAACCACCCCAATGGATGCAGACAGTGTGTTGCATTGGACATTCTAAT TACAAATGTAGTCTGTGTTTTTAGAACAAGATGTCATTTAACTTAAGGAAGATTGCTTT GGAAGGAGCAAATGTAATTTATAAACGTGATGTTGGAAAAGTATTAATGAAGCTTAGAAA ACCTAGAATTACAGTACAATTTGGTCCCTCAGGAAAAAATTTTGCAGTGGAGCAACAAG TGAAGAAGAAGCTAAATTTGGTGCCAGACGCTTAGCCCGTAGTCTGCAGAACTAGGTTT TCAGGTAATATTTACAGATTTTAAAGTTGTTAACGTTCTGGCAGTGTGTAACATGCCATT TGAAATCCGTTTGCCAGAATTCACAAAGAACAATAGACCTCATGCCAGTTACGAACCTGA ACTTCATCCTGTGTGTCTATCGGATAAAATCTCTAAGAGCTACATTACAGATTTTTTC AACAGGAAGTATCACAGTAACAGGGCCCAATGTAAGGCTGTTGCTACTGCTGTGGAACA GATTTACCCATTTGTGTTTAAAGCAGGAAAGATATTNTATNATTCACCACTTAATTGG TTAGAATCTCTAACTGAGCACTTTAACCTGCTGACATTGGACTCAAAGGAANACTGGAC AACNNATATGAGAANTGACTCTTTATTCATTACGCTACGTGTAGCTTCCAGTCCTTA
Restriction Sites:	NotI-NotI
ACCN:	NM_004865
Insert Size:	2930 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_004865.2 , NP_004856.1
RefSeq Size:	1340 bp
RefSeq ORF:	561 bp
Locus ID:	9519
UniProt ID:	P62380
Cytogenetics:	6q23.2
Domains:	TBP
Protein Families:	Transcription Factors
Protein Pathways:	Basal transcription factors, Huntington's disease

Gene Summary:

This gene encodes a member of the TATA box-binding protein family. TATA box-binding proteins play a critical role in transcription by RNA polymerase II as components of the transcription factor IID (TFIID) complex. The encoded protein does not bind to the TATA box and initiates transcription from TATA-less promoters. This gene plays a critical role in spermatogenesis, and single nucleotide polymorphisms in this gene may be associated with male infertility. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 3. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.