

## Product datasheet for SC321111

### TFIIB (GTF2B) (NM\_001514) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIB (GTF2B) (NM_001514) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFIIB
Synonyms:	TF2B; TFIIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001514.3  
ACATTCGCTTCCTGCTTTTCGGTGTGTCTGTTGTGTCTTGTTCGGGCACCCGAGTCGCCG  
TGAAGATGGCGTCTACCAGCCGTTTGGATGCTCTTCCAAGAGTCACATGTCCAAACCATC  
CAGATGCGATTTTGTGGAGACTACAGAGCCGGTGATATGATCTGTCCTGAATGTGGCT  
TGGTTGTAGGTGACCCGGTTATTGATGTGGATCTGAATGGCGAACTTTCAGCAATGACA  
AAGCAACAAAAGATCCATCTCGAGTTGGAGATTCTCAGAATCCTTCTGAGTGTGGAG  
ATTTGTCTACCATGATTGGCAAGGGCACAGGAGCTGCAAGTTTTGACGAATTTGGCAATT  
CTAAGTACCAGAATCGGAGAACAATGAGCAGTTCTGATCGGGCAATGATGAATGCATTCA  
AAGAAATCACTACCATGGCAGACAGAATCAATCTACCTCGAAATATAGTTGATCGAACAA  
ATAATTTATTCAAGCAAGTATATGAACAGAAGAGCCTGAAGGGAAGAGCTAATGATGCTA  
TAGCTTCTGCTTGTCTCTATATTGCCTGTAGACAAGAAGGGGTTCTAGGACATTTAAAG  
AAATATGTGCCGTATCAGCAATTTCTAAGAAAGAAATTGGTCGGTGTAAAACCTATTT  
TGAAAGCGCTAGAAACAGTGTGGATTTGATTACAACCTGGGGACTTCATGTCCAGTTCT  
GTTCCAACCTTTGTCTTCTTAAACAAGTACAGATGGCAGCTACACATATAGCCCCTAAAG  
CTGTGGAATTGGACTTGGTTCTGGGAGGAGCCCCATCTCTGTGGCAGCGGCAGCTATTT  
ACATGGCCTCACAGGCATCAGCTGAAAAGAGGACCCAAAAAGAAATTGGAGATATTGCTG  
GTGTTGCTGATGTTACAATCAGACAGTCTATAGACTGATCTATCCTCGAGCCCCAGATC  
TGTTTCTACAGACTTCAAATTTGACACCCAGTGGACAACTACCACAGCTATAAATG  
AGGCAGCTAACGTCAAATTTCTGAATACAAAACCTTTCCTGTTGTACATAGCCTATACAA  
AATGCTGGGTTGAGCCTTTCATGAGGAAAAACAAAGACATGGTACGCATTCCAGGGCTG  
AATACTATTGCTTGCATTCTGTATGATATACTAGTGAACATATTTAATGATTTAAAT  
TTCTTATCAAATTTCTTTGTAGCAATCTAGGAACTGTATTTTGGAGATATTTGAAAT  
TATGTAATTTCTGAATAAAACATTTTTTCAAACACAAAAAAAAAAAAAAAAAAAAAAAAA  
AA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_001514
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001514.3</a> , <a href="#">NP_001505.1</a>
<b>RefSeq Size:</b>	1304 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	2959
<b>UniProt ID:</b>	<a href="#">Q00403</a>
<b>Cytogenetics:</b>	1p22.2
<b>Domains:</b>	transcript_fac2, CYCLIN
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Basal transcription factors
<b>Gene Summary:</b>	This gene encodes the general transcription factor IIB, one of the ubiquitous factors required for transcription initiation by RNA polymerase II. The protein localizes to the nucleus where it forms a complex (the DAB complex) with transcription factors IID and IIA. Transcription factor IIB serves as a bridge between IID, the factor which initially recognizes the promoter sequence, and RNA polymerase II. [provided by RefSeq, Jul 2008]