

## Product datasheet for **SC110914**

### 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: | None  |
| Vector:                   | <u>pCMV6-XL5</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_001514, the custom clone sequence may differ by one or more nucleotides |

```
ATGGCGTCTACCAGCCGTTTGGATGCTCTTCCAAGAGTCACATGTCCAAACCATCCAGATGCGATTTTAG
TGGAGGACTACAGAGCCGGTGATATGATCTGCTCTGAATGTGGCTTGGTTGTAGGTGACCGGTTATTGA
TGTGGGATCTGAATGGCGAACTTTCAGCAATGACAAAGCAACAAAAGATCCATCTCGAGTTGGAGATTCT
CAGAATCCTCTTCTGAGTGATGGAGATTTGTCTACCATGATTGGCAAGGGCACAGGAGCTGCAAGTTTTG
ACGAATTTGGCAATTCTAAGTACCAGAATCGGAGAACAATGAGCAGTTCTGATCGGGCAATGATGAATGC
ATTCAAAGAAATCACTACCATGGCAGACAGAATCAATCTACCTCGAAATATAGTTGATCGAACAAATAAT
TTATTC AAGCAAGTATATGAACAGAAGAGCCTGAAGGGAAGAGCTAATGATGCTATAGCTTCTGCTTGTC
TCTATATTGCCTGTAGACAAGAAGGGGTTCTTAGGACATTTAAAGAAATATGTGCCGTATACGAATTTCT
TAAGAAAGAAATTGGTCGGTGTTTTAAACTTATTTTAAAAGCGCTAGAAAACCAAGTGTGGATTTGATTACA
ACTGGGGACTTTCATGTCCAGGTTCTGTTCCAACCTTTGTCTTCTAAACAAGTACAGATGGCAGCTACAC
ATATAGCCCGTAAAGCTGTGGAATTGGACTTGGTTCTGGGAGGAGCCCCATCTCTGTGGCAGCGGCAGC
TATTTACATGGCCTCACAGGCATCAGCTGAAAAGAGGACCCAAAAAGAAATTGGAGATATTGCTGGTGTT
GCTGATGTTACAATCAGACAGTCTATAGACTGATCTATCCTCGAGCCCCAGATCTGTTTCTACAGACT
TCAAATTTGACACCCCAAGTGACAAACTACCACAGCTATAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001514 unedited  
 CGTTTACATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCTGTTGTGT  
 CTTGTTGCGGGCACCCGAGTCGCCGTGAAGATGGCGTCTACCAGCCGTTTGGATGCTCTT  
 CCAAGAGTCACATGTCCAAACCATCCAGATGCGATTTTAGTGGAGGACTACAGAGCCGGT  
 GATATGATCTGTCTGAATGTGGCTTGGTTGTAGGTGACCGGTTATTGATGTGGGATCT  
 GAATGGCGAACTTTCAGCAATGACAAAGCAAAAAGATCCATCTCGAGTTGGAGATTCT  
 CAGAATCCTCTTCTGAGTGATGGAGATTGTCTACCATGATTGGCAAGGGCACAGGAGCT  
 GCAAGTTTTGACGAATTTGGCAATTCTAAGTACCAGAATCGGAGAACAATGAGCAGTTCT  
 GATCGGGCAATGATGAATGCATTCAAAGAAATCACTACCATGGCAGACAGAATCAATCTA  
 CCTCGAAATATAGTTGATCGAACAAATAATTTATTCAAGCAAGTATATGAACAGAAGAGC  
 CTGAAGGGGAAGAGCTAATGATGCTATAGCTTCTGCTTGTCTCTATATTGCCTGTAGACAA  
 GAAGGGGTTTCTAGGACATTTAAAGAAATATGTGCCGTATCACGAATTTCTAAGAAAGAA  
 ATTGGTCGGTGGTTAACTTATTTTGAAGCGCTAGAAACCAGTGTGGATTTGATTACA  
 ACTGGGGACTTTCATGTCCAGTTCTGGTCCAACCTTTGTCTTCTNNAACAGTACAGATG  
 GCAGCTACACATATAGCCCCGTAAGCTGTGGAATTGGACTTGGTTCCTGGNNAGAGCCC  
 CATCTCTGTGGCAGCGGAGCTATTTACATGGCCTCACAGCCATCAGCTGAAAAGAGGAC  
 CCACAAGAN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001514 unedited  
 TGTACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTAGTTTTGAAAAA  
 TGTTTTATCAAGATTACATAATTTCAAATATCTTCCAAAATACAGTTTCTAGATTGCT  
 AAAAAAGAAATTTGATAAGAAATTTAAATCATTAAATATGTTTCACTAGTATATACATAC  
 AGAATGCCAAGCAATAGTATTCAGCCCTGGAATGCGTACCATGTCTTTTGTTTTTTCTCA  
 TGAAGGCTCAACCCAGCATTTTGCATAGGCTATGTACAACAGGCAAAGTTTTGTATTCA  
 AGAATTTGACGTACGCTGCCTCAATTTATAGCCTGTGGCACTTCGCCACTGGGGTGTCA  
 CATTTGAAGCCTGTAGGAACCAGATTTGGGGCTCGAGGATAGACCAGTCTATAGGACTGT  
 CTGATTGTACCATCAGCAACACCAGCATTCTCTCCAATTTCTTCTGCGTCTCTCTTAC  
 CTGATGCCCGGAGGCCATGCCAATAGCTGTGTTGCCACAGACACGGCCGCTCCTCCTT  
 ATGAGTCCCGTCCCCCTCACAGCCTTACGGGCTACATGTGTAGCTGCCATCCGCCACGG  
 CTAGGAAGACAAAGCGTCGCCACCAGCACTGGACACGAATCCCTCAGTTGTCATTACACA  
 CCCAATTGGTTCTAGCGCCTTTCAACTCAGTTCCAACCACCGCCCCCCCCCTCTCTAT  
 CAACCCGGCCCCGACACATATTTTTTTTACCAGCCCTAAGACCCCCCCCCCTGCCTTAAGC  
 CATATACTATTCTTTTCCCTCCTTTTTTCCCACACCCCCCTCCCCTCCAGGCTTCTCTTG  
 GAACCAAACCTGTTTCGCACCCATATCCGTTTCGCCAACCTCTCTCGCGACGGTTCATGCT  
 CTCCCCGCCCCGAGGTGACTATTTGAAGCACTTATCACTCGCCACAGCACCGCCCCGT  
 TTTACACCGCCCTCTAACTGCCCTCCCGTAACCTGGGCCCGCTTTTCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001514

**Insert Size:**

1350 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).

|                               |   |
|-------------------------------|---|
| <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]   |