

## Product datasheet for **SC110382**

### **TBL2 (NM\_012453) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TBL2 (NM_012453) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBL2
Synonyms:	WBSCR13; WS-betaTRP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC110382 sequence for NM\_012453 edited (data generated by NextGen Sequencing)

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ATGGAGCTCTCGCAGATGTCGGAGCTCATGGGGCTGTCGGTGTGCTTGGGCTGCTGGCC
CTGATGGCGACGGCGGGTACGCGGGGGTGGCTGCGCGGGGGAGGAGAGGAGCGGC
CGGCCCGCTGCCAAAAGCAAATGGATTTCCACCTGACAAATCTTCGGGATCCAAGAAG
CAGAAAACAATATCAGCGGATTCGGAAGGAGAAGCCTCAACAACAACACTTCACCCACCGC
CTCTGGCTGCAGCTCTGAAGAGCCACAGCGGGAACATATCTTGATGGACTTTAGCAGC
AATGGCAAATACCTGGCTACCTGTGCAGATGATCGCACCATCCGCATCTGGAGCACCAAG
GACTTCCTGCAGCGAGAGCACCGCAGCATGAGAGCCAACGTGGAGCTGGACCACGCCACC
CTGGTGCCTTACGCCCTGACTGCAGAGCCTTCATCGTCTGGCTGGCCAACGGGGACACC
CTCCGTGTCTTCAAGATGACCAAGCGGGAGGATGGGGGTACACCTTCACAGCCACCCCA
GAGGACTTCCCTAAAAGCACAAGGCGCCTGTCATCGACATTGGCATTGCTAACACAGGG
AAGTTTATCATGACTGCCTCCAGTGACACCACTGTCCTCATCTGGAGCCTGAAGGGTCAA
GTGCTGTCTACCATCAACACCAACCAGATGAACAACACACACGCTGCTGTATCTCCCTGT
GGCAGATTTGTAGCCTCGTGTGGCTTACCCAGATGTGAAGTTTGGGAAGTCTGCTTT
GGAAAAGAGGGGAGTTCAGGAGGTGGTGCAGCCTTGAACCTAAAGGGCCACTCCGCG
GCTGTGCACTCGTTTCTTCTCAACGACTCACGGAGGATGGCTTCTGTCTCAAGGAT
GGTACATGGAACTGTGGGACACAGATGTGGAATACAAGAAGAAGCAGGACCCCTACTTG
CTGAAGACAGGCCGCTTTGAAGAGGCGGGTGCAGCGCGTGCAGCCTGGCCCTCTCC
CCCAACGCCAGGTCTTGGCCTTGGCCAGTGGCAGTAGTATTCATCTCTACAATACCCGG
CGGGGCGAGAAGGAGGAGTGCTTGGAGCGGGTCCATGGCAGTGTATCGCCAACCTGTCC
TTTGATATCACTGGCCGCTTCTGGCCTCCTGTGGGACCGGGCGGTGCGGCTGTTTAC
AACACTCTGGCACCGAGCCATGGTGGAGGAGATGCAGGGCCACCTGAAGCGGGCTCC
AACGAGAGCACCCGCGAGGGTGCAGCAGCAGCTGACCCAGGCCAAGAGACCTGAAG
AGCCTGGGTGCCCTGAAGAAGTGA
    
```

Clone variation with respect to NM\_012453.2  
1146 c=>t

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_012453 unedited
GTCACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCCCCACGGCCA
GGCCGCGCCCCCGTGCCTGCGCGGCCCGGCAGAGCCGTGCGGGCGCCCGCTACTCAC
TAGCTGAGGTGGCAGTGGTTCCACCAACATGGAGCTCTCGCAGATGTCGGAGCTCATGGG
GCTGTCCGGTGTGCTTGGGCTGCTGGCCCTGATGGCGACGGCGGGTGCAGCGGGGGTG
GCTGCGCGGGGGAGGAGAGGAGCGGCCGCGCCGCTGCCAAAAGCAAATGGATTTCC
ACCTGACAAATCTTCGGGATCCAAGAAGCAGAAACAATATCAGCGGATTCGGAAGGAGAA
GCCTCAACAACAACACTTCACCCACCGCCTCCTGGCTGCAGCTCTGAAGAGCCACAGCGG
GAACATATCTTGATGGACTTTAGCAGCAATGGCAAATACCTGGCTACCTGTGCAGATGA
TCGCACCATCCGCATCTGGAGCACCAAGGACTTCTGCAGCGAGAGCACCGCAGCATGAG
AGCCAACGTGGAGCTGGACCACGCCACCCTGGTGCCTTACGCCCTGACTGCAGAGCCTT
CATCGTCTGGCTGGCCAACGNGACACCCTCCGTGTCTTCAAGATGACCAAGCGGGAGGA
TGGGGGTACACCTTCACAGCCACCCAGAGGACTTCCCTTAAAAGCACAAGGCGCTGT
CATCGACATTGGCATTGCTACACAGGNAAGTTTATCATGACTGCCTCCAGTGACACCAC
TGTCTCACCTGGAGCCTGAAGGGTCAAGTGTGTCTACCATTACACCCACCANATGAA
CAACACACAGCTGCTGTATCTCCTGTGGCAGATTGTAACCTCCGTGTGGCTTACCCA
ATATGTGAAGTTTGGGAAGACTGCT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_012453 unedited GTACGAGGCCGCTATCTAGCATCGAGTTTTTTTTTTTTTTTTTTTTTAAATCCCCAGCTCATAT TTATTTGGGCACAGAGTGGGCACTCAAATATCTGATGAACTTGATGAACTGAAAAGAGGT CTCCTTAAACAGATATCATCTCCCGAAGAGAGAAGTCCCAACCATATAAAATGTATGATC AAGTCCCAGAAAACCTTTGCCTTCCCAAGGAATGTGTTTCTAATTTGGTTTCAAAGCACAC TGGTCCCACCTTTACCCTTTTCATGACATTGGACAATAGTACTACTCTTTTCTACTTTT CTTCCAGACCTGGGGACTTGATATTCTCTTAGCCTCATATCATCTTTGCAAGGAGTTTCC AGAGAGGATTATTCTCCATCTTACAAATAGAAGTGAAGGCCAGAAAGGAAAATCCCTTAGTG TCTTTTTGATGGAACACAGTTCTGTGATGGGAAGCTATCCAGTCTCCCATCCTTGCAAA ACTGCTGCTTAGCACTCAGGCGTTCTCTAGGTTGCTCTGGAACATTTACAACTTCTTTG GGTGGCAGGATGTGCTGCCACAAGGCCAAAAATCACATTCTCTCTCTCTCTCTCTCTCT TCTACCATTCTCCTCAGTGCCAGGTGGGACAGATTCCACCCACTGGGCCTGGGAGGAAA GAAAGCACCTTGGCCACTAGTCAGGGAGGAGTCCAGCCAGCCAGAAGAGAGAGACCTAA GCTGACAAGAGTAGTTCCAATGGGACAGAGCAGGGCCACCAGTAAGAAAACCAGGAGAAC TCCTTCTGAAAGGCTTCCACCTCGGGAGAAAGATTGCACCAAGTGCATGAAGAGGCCAAA TCCTCTCTCAATCCTCTGCGCCGGGCCCTCCACAGTACATCTCTCAAGGCANCAAGG CCTCTCAGGGTCTCCTTGGGCCCTGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_012453
<b>Insert Size:</b>	2390 bp
<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>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_012453.1</a> , <a href="#">NP_036585.1</a>
<b>RefSeq Size:</b>	2333 bp
<b>RefSeq ORF:</b>	1344 bp
<b>Locus ID:</b>	26608
<b>UniProt ID:</b>	<a href="#">Q9Y4P3</a>
<b>Cytogenetics:</b>	7q11.23
<b>Domains:</b>	WD40
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

This gene encodes a member of the beta-transducin protein family. Most proteins of the beta-transducin family are involved in regulatory functions. This protein is possibly involved in some intracellular signaling pathway. This gene is deleted in Williams-Beuren syndrome, a developmental disorder caused by deletion of multiple genes at 7q11.23. [provided by RefSeq, Jul 2008]