

Product datasheet for **SC325164**

TBL1 (TBL1X) (NM_001139467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBL1 (TBL1X) (NM_001139467) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBL1X
Synonyms:	CHNG8; EBI; SMAP55; TBL1
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_001139467, the custom clone sequence may differ by one or more nucleotides

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ATGAGCATAACCAGTGACGAGGTGAACCTTCTGGTGTATCGGTATCTCCAGGAGTCAGGT
TTTTCCCACTCGGCTTTACGTTTTGGGATTGAGAGCCACATCAGCCAGTCCAACATCAAT
GGGACGCTAGTGCCACCGGCCCGCCTCATCTCCATTCTCCAGAAGGGCCTGCAGTATGTA
GAGGCCGAGATCAGTATCAACGAGGATGGCACAGTGTTCGACGGCCGCCCATAGAGTCC
CTGTCACTGATAGACGCCGTGATGCCCGACGTGGTGCAGACGGCGCAGCAGGCATTCCGA
GAGAAGCTCGCTCAGCAGCAAGCCAGTGGCGCGGGCGGGCGGCTGCGGCCACGGCAGCA
GCGACAGCAGCCACCACGACCTCAGCCGGCGTTTTCCACCAAAAATCCATCGAAGAACAGA
GAGGCCACGGTGAATGGGAAGAGAACAGAGCACATTCAGTCAATAATCAGCGAAGCCA
ATGGAAATAGATGGAGAGGTTGAGATTCATCCAGCAAAGCCACAGTCCCTCGGGGCCAT
GAGTCTGAGGTGTTCAATTTGTGCCTGGAATCCTGTCAGTGATTTGCTAGCCTCCGGATCT
GGAGACTCAACTGCAAGGATATGGAACCTGAATGAGAATAGCAACGGGGGCTCCACCCAG
CTCGTGTGAGGCACTGTATACGAGAGGGGGGCCATGACGTCCCGAGTAACAAAGACGTC
ACCTCACTGGACTGGAATACCAATGGAACACTCTGGCTACGGGTTCCATATGACGGTTTT
GCAAGAATATGGACGGAAGATGGTAACCTGGCCAGCACCTTAGGCCAACATAAAGGCCCC
ATCTTTGCCTTGAAATGGAACCGAAAGGGGAATTACATTTTGAGTGCTGGTGTAGACAAA
ACAACAATAATTTGGGATGCCACACAGGAGAAGCCAAACAGCAGTTTCCTTTTCATTCA
GCCCTGCCCTTGATGTGGACTGGCAGAACAACAGACCTTTGCCTCCTGTAGCACAGAC
ATGTGTATCCATGTGTGCAAGGCTCGGCTGTGACCGCCAGTCAAAACCTTCCAGGGACAC
ACAAACGAGGTCAACGCCATCAATGGGATCCGTCTGGAATGTTGCTGGCATCCTGCTCG
GATGACATGACATTGAAGATCTGGAGCATGAAACAGGAGGTGTGCATCCATGATCTTCAG
GCTCACAATAAAGAGATCTACCCATCAAGTGGAGCCCCACTGGGCCCGCCACCAGCAAC
CCAAACTCCAACATCATGTTGGCAAGTCTTCGTTTGATTCTACGGTGGCAGTGTGGGAC
ATAGAACGAGGCTCTGACCCACAGCTCACGAAGCATCAGGAGCCTGTCTATAGCGTA
GCTTTCAGCCCTGATGGGAAGTACTTGGCCAGTGGATCCTTCGACAAGTGGTCCATATC
TGGAACTCAGAGTGGAAATCTTGTCACAGCTACCGAGGCACTGGCGGCATCTTCGAG
GTGTGCTGGAACGCCGAGGAGACAAAGTGGGTGCCAGCGCTCCGACGGCTCTGTGTGT
GTTTTGGATCTGCGGAAG

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Restriction Sites: Please inquire



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ACCN:	NM_001139467
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).
OTI Annotation:	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.
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:	<u>NM_001139467.1</u> , <u>NP_001132939.1</u>
RefSeq Size:	5451 bp
RefSeq ORF:	1581 bp
Locus ID:	6907
UniProt ID:	<u>O60907</u>
Cytogenetics:	Xp22.31-p22.2
Protein Families:	Transcription Factors
Protein Pathways:	Wnt signaling pathway

Gene Summary:

The protein encoded by this gene has sequence similarity with members of the WD40 repeat-containing protein family. The WD40 group is a large family of proteins, which appear to have a regulatory function. It is believed that the WD40 repeats mediate protein-protein interactions and members of the family are involved in signal transduction, RNA processing, gene regulation, vesicular trafficking, cytoskeletal assembly and may play a role in the control of cytotypic differentiation. This encoded protein is found as a subunit in corepressor SMRT (silencing mediator for retinoid and thyroid receptors) complex along with histone deacetylase 3 protein. This gene is located adjacent to the ocular albinism gene and it is thought to be involved in the pathogenesis of the ocular albinism with late-onset sensorineural deafness phenotype. Four transcript variants encoding two different isoforms have been found for this gene. This gene is highly similar to the Y chromosome TBL1Y gene. [provided by RefSeq, Nov 2008]

Transcript Variant: This variant (3) differs in the 5' UTR and lacks the alternate first coding exon compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 3 and 4 both encode isoform b. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.