

## Product datasheet for **MG208448**

### **Tbl1x (NM\_020601) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbl1x (NM_020601) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbl1x
Synonyms:	5330429M20; Tbl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208448 representing NM\_020601  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCATTACCAGCGACGAGGTGAACCTTCTGGTATATCGCTACCTCCAGGAATCAGGTTTTTCCCACT  
 CTGCCTTCACGTTTGGGATCGAAAAGTCACATTAGCCAGTCCAACATCAATGGTACACTAGTGCCACCGGC  
 TGCCCTAATCTCCATTCTTCAGAAAGGACTGCAGTATGTGGAGGCGGAGATCAGCATCAACGAGGATGGC  
 ACGGTATTTGATGGGCGTCCCATTGAGTCCCTATCGTTAATTGATGCTGTGATGCCCGATGTGGTACAGA  
 CAAGACAGCAAGCTTTTCGGGAGAACTTGCCACGACGCAAGCCAATGCAGCAGCTGCAGCAGCAGCAGC  
 TGCAGCCACAGCCACAAGCACAGCGGCTACAACACCAGCAGCTGCTGCTCAGCAAACCCACCAAAGAAAT  
 GGAGAAGCCACCGTGAATGGGAAGAAAATGGAGCCCAGCAATAAATAATCACTCAAAGCCAATGGAAA  
 TAGATGGAGACGTTGAAATTCACCGAGTAAAGCCACAGTCTTCGAGGCCATGAGTCTGAGGTCTTCAT  
 TTGTGCCTGGAATCCTGTTAGTGACCTACTTGCTTCTGGATCTGGAGACTCCACTGCGAGGATATGGAAC  
 CTTAATGAGAACAGCAACGGGGCTCCACACAGCTTGTGCTGAGGCACTGTATACGTGAAGTGGACATG  
 ATGTTCCCAAGTAATAAGGATGCTACTTCATTGGACTGGAATAGCGATGGAACACTGTTGGCAACAGGTTT  
 CTATGATGGTTTTGCAAGAATATGGACAGAAGATGGTAACCTAGCCAGCACCTTAGGTCAACATAAAGGT  
 CCCATCTTTGCTTTGAAGTGGAAACAAAAGGGGAATTATATTTTGGTGTGGTGTAGACAAGACAACAA  
 TAATTTGGGACGCTCACACAGGAGAAGCCAAACACAGTTTCTTTTCATTACAGCACCTGCCCTTGATGT  
 GGACTGGCAGAACAACTACCTTTGCCTCATGCAGCAGACATGTGCATTCATGTGTGACGGCTTGGC  
 TGTGATCGCCAGTCAAACCTTCCAAGGACATACTAATGAGGTCAATGCATCAATGGGATCCTTCTG  
 GAATGTACTAGCCTCCTGCTCTGATGACATGACATTAAGATCTGGAGTATGAAGCAGGATCATTGTGT  
 CCATGACCTCCAGGCTCACAGCAAAGAGATATATACCATCAAGTGGAGTCCCACAGGACCAGCCACCAGC  
 AACCCGAACCTCAACATCATGTTAGCAAGTGCTTCATTTGACTCTACGGTTCGACTGTGGGATGTGGAGC  
 GAGGTGTTTGCATCCACTCTGACCAAGCATCAGGAGCCTGTCTATAGTGTAGCGTTACAGCCCCGACGG  
 GAAGTATTTGGCCAGTGGATCTTTTGACAAGTGTGCCATATCTGGAATACTCAGAGTGAAGTCTCGTC  
 CACAGCTACCGAGGAACAGGCGGCATATTTGAGGTGTGCTGGAATGCTCGAGGAGACAAAGTGGGTGCCA  
 GCGCATCTGATGGCTCCGCTGTGTTTTAGATCTCCGAAAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208448 representing NM\_020601  
 Red=Cloning site Green=Tags(s)

MSITSDEVNFLVYRYLQESGFSHSAFTFGIESHISQSNINGTLVPPAALISILQKGLQYVEAEISINEDG  
 TVFDGRPIESLSLIDAVMPDVVQTRQAFREKLAQQQANAAAAAAAAAATATSTAATTPAAAAQQNPPKN  
 GEATVNGEENGAHAINNHSKPMEDGDVEIPPSKATVLRGHESEVFICAWNVPVSDLLASGSGDSTARIWN  
 LNENSNGGSTQLVLRHCIREGGHDVPSNKDVTSLDWNDSGTLATGSYDGFARIWTEGDLASTLQGHKG  
 PIFALKWNKKNYILSAGVDKTTIIWDAHTGEAKQQPFHSAALDWDWQNTTFASCSTDMCIHVCRLG  
 CDRPVKTFQGHTEVNAIKWDPSGMLLASCSDMTLKIWSMKQDACVHDLQAHSKEIYTIKWSPTGPATS  
 NPNSNIMLASAFDSTVRLWDVERGVCIHTLTKHQEPVYSVAFSPDGKYLASGSFVKCVHIWNTQSGSLV  
 HSYRGTGGIFEVWCWNARGDKV GASASDGSVCVLDLRK

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_020601

**ORF Size:** 1581 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_020601.2](#), [NP\\_065626.1](#)

**RefSeq Size:** 2302 bp

**RefSeq ORF:** 1584 bp

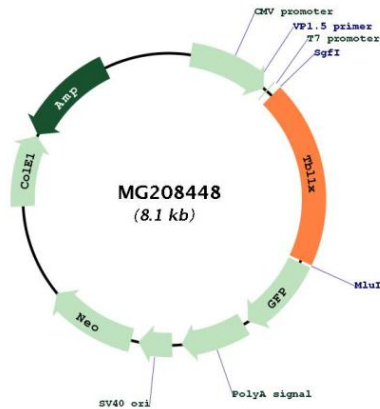
**Locus ID:** 21372

**UniProt ID:** [Q9QXE7](#)

**Cytogenetics:** X 38.31 cM

**Gene Summary:**

F-box-like protein involved in the recruitment of the ubiquitin/19S proteasome complex to nuclear receptor-regulated transcription units. Plays an essential role in transcription activation mediated by nuclear receptors. Probably acts as integral component of corepressor complexes that mediates the recruitment of the 19S proteasome complex, leading to the subsequent proteasomal degradation of transcription repressor complexes, thereby allowing cofactor exchange (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MG208448