

## Product datasheet for **MG222694**

### **Tbx4 (NM\_172798) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbx4 (NM_172798) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbx4
Synonyms:	3930401C23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG222694 representing NM\_172798  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCCGAGCTACAAGGTAAGTACAGGCATGAACCCCAAGACCAAGTACATACTTCTCATCGACA  
 TCGTCCCCGAGATGACCATCGCTACAAGTTCTGTGACAACAAATGGATGGTCGACAGGGAAGGCTGAGCC  
 GGCCATGCCAGGAAGACTTTATGTGCACCCGGATTCTCCTGCCACCGGGGCTCACTGGATGCGGCAGTTG  
 GTCTTTTCCAGAAGCTGAAGCTGACAAACAACCACCTGGACCCCTTTGGCCATATCATCTCAACTCCA  
 TGCATAAGTACCAGCCAAGGCTGCACATCGTTAAGGCCGACGAGAACAATGCTTTTGGCTCCAAAAACAC  
 AGCCTTTTGCACCCACGTGTTCCAGAGACCTCCTTCATCTGTGACCTCTACCAGAACCACAAGATC  
 ACCCAGCTGAAAATTGAGAACAACCTTTTGC AAGGGATTCCGGGCGAGCGATGACAGTACCTGCGTG  
 TGGCCCGTTGCAGAGCAAGGAGTATCCCGTGATCTCCAAAAGCATCATGAGGCAGAGGCTCGTTTCCAG  
 CCAACTCTCGGCTAAGCCAGATGTCAGCCCTGCACAGCGCACACCAGGCCCTGCAGCACTACCAGTAT  
 GAGAATGGGGCCACATGCAATTTGCTGCTGCAGAGCCCAAGGACCTGCCCTCAACACCTTCCCAACTC  
 AGAGGGACTCCAGCCTCTTCTACCACTGCCTGAAGCGTAGAGACAGTGCCCGCCACCTGGACTTGCCTG  
 CAAGCGATCCTACCTGGAACCCCTCTTCACTGGGGGACGATCACTATTTCCGTTCTCCCCCTCCCTAC  
 GACCAGCAGATGCTGAGCCCTTCTTATTGCAGTGAGGTGACCCCAAGAGAAGCCTGTATGTACTCGAGTT  
 CGGGGCTGAGATCGCAGGGGTGTGACCCGTGGACGACCTGCCCAACCCCACTGAGCTGTAACATGTG  
 GACGTGCGTGTGCCATACACCAGCTACAGCGTTCAGACCATGGAGACTGTGCCCTACCAGCCCTCCCC  
 GCACACTTACTGCCACCACAGTATGCCTCGGCTGCCACCATCGCCGCCCAGAGCGCCAGCCACCAG  
 GAAATGCCCACTTTAGTGTGTAACAATCAGCTATCCAGTCTCAGGTCCGAGAGCGGGGGCCCTGTGCTTC  
 CTCCCTAGAGAGCGTGGCCTCCCTGGGATGTGTGAGAGGAAGCCACCCTCACCTCACCTGAACACTGCC  
 AACGAGTTCCTACTACAGAGCTTCTCCTTGACCCGGGAGTCATCCTTACAGTATCATTACGGGATGG  
 GGACTGTGGAGAACTGGACCGATGGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG222694 representing NM\_172798  
 Red=Cloning site Green=Tags(s)

MFPSYKVKVTGMNPKTKYILLIDIVPADDHRYKFCDNKWMVAGKAEPAMPGRLYVHPDSPATGAHWMRQL  
 VSFQKLKLTNNHLDPFGHIILNSMHKYQRLHIVKADENNAFGSKNTAFCTHVPETSFISVTSYQNHKI  
 TQLKIENPFAGFRGSDSDLRVARLQSKYPIVSKSIMRQRLVSSQLSAKPDVSPLSAHQALQHYQY  
 ENGAHMQFAAAEPQDLPLNTFPTQRDSSLFYHCLKRRDSARHLDLPCRSYLETPSSVGDHDFRSPPPY  
 DQQMLSPSYCSEVTPREACMYSSSGPEIAGVSAVDDLPPPPPLSCNMWTSVSPYTSYSVQTMETVPYQPPF  
 AHFTATTVMRPLPTIAAQSAQPPGNAHFSVYNQLSQSQVREGRPSASFPRERGLPGMCERKPPSPHLNTA  
 NEFLYSQSFSLTRESSLQYHSGMGTVENWTDG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<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>	<u>NM_172798.1, NP_766386.1</u>
<b>RefSeq Size:</b>	2961 bp
<b>RefSeq ORF:</b>	1359 bp
<b>Locus ID:</b>	21387
<b>Cytogenetics:</b>	11 51.42 cM
<b>Gene Summary:</b>	Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation.[UniProtKB/Swiss-Prot Function]