

Product datasheet for **RG217451**

TBX4 (NM_018488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBX4 (NM_018488) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBX4
Synonyms:	ICPPS; PAPPAS; SPS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217451 representing NM_018488
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCAGGATAAGGGCCTGTCCGAGAGCGAGGAGGCCTTCGGGCCCGGGCCAGCGCTCGGAGAGG
 CCAGCGCAGCCAACGCCCCGAGCCCGCTGGCAGCGCGGGCCCTCAGCGGAGCCGCGCTAGGCAGCCC
 CCCGGGACCCGGGGCCGACGTCGTCGCCCGCCGCCCGGAGCAGACCATCGAGAACATCAAGGTGGG
 CTGCATGAGAAGGAGCTCTGGAAGAAGTCCACGAGGCGGGCACCAGAGATGATCATCACTAAGGCTGGCA
 GGAGGATGTTCCCGAGCTACAAGGTAAAAGTACAGGCATGAACCCCAAGACCAAGTATATCCTGCTGAT
 TGACATTGTCCCTGCCGATGACCATCGCTACAAGTTCTGTGACAACAAATGGATGGTGGCAGGGAAGGCT
 GAGCCAGCCATGCCAGGAAGGCTGTATGTCCACCCGGATTCTCCTGCCACAGGAGCCCACTGGATGCGGC
 AGCTGGTCTCCTCCAGAAGCTGAAGCTGACAAACAACCACCTGGACCCCTTTGGCCATATCATCTCAA
 CTCTATGCACAAGTACCAGCCGGCTCCACATCGTTAAGGCTGATGAGAACAATGCTTTGCGCTCCAAA
 AACACTGCTTTTGCACCCACGTGTTCCAGAGACCTCCTTCATCTCTGTGACCTCTACCAAGATCACA
 AGATCACCCAGCTGAAAATTGAGAACAACCCCTTTTGC AAGGATTCCGGGGCAGTGATGACAGTGACCT
 GCGTGTGGCCCGACTGCAGAGCAAAGAATACCCCGTGATTTCAAAGCATCATGAGGCAGAGGCTCATC
 TCCCCCAGCTCTCAGCCACACCCGACGTGGGCCCCCTGCTCGGCACCCACCAGGCACTCCAGCACTACC
 AGCAGGAGAACGGGGCACACTCACAGCTCGCGGAGCCGACGACCTGCCCTCAGCACCTTTCCACCCA
 GAGGGACTCAAGCCTCTTCTATCACTGCCTGAAAAGACGAGACGGTACCCGCCACCTGGACTTACCTTGC
 AAGCGATCCTATCTGGAAGCCCCCTCTCGGTGGGGGAGGATCACTATTTCCGTTCCCCCCTCCCTACG
 ACCAGCAAATGCTGAGCCCCCTCTACTGCAGTGAGGTGACCCCCAGAGAAGCATGTATGTACTCAGGTTT
 AGGGCCCGAGATTGCCGGGGTGTCTGGGTGGACGACCTGCCCCACCTCCGCTGAGCTGTAACATGTGG
 ACTTCAGTGTGCGCGTACACCAGCTATAGCGTGCAGACGATGGAGACTGTGCCGTACCAGCCCTTCCCCA
 CGCACTTACCAGCCACCACCATGATGCCGCGGCTGCCACCCTCTCCGCTCAGAGCTCCAGCCACCAGG
 AAATGCCCACTTTAGTGTCTACAATCAGCTCTCCAGTCTCAGGTCGAGAGCGGGGGCCAGCGCTCA
 TTCCCAAGAGAGCGCGGCTCCCCAAGGGTGTGAGAGGAAGCCACCTCGCCACATCTAAATGCTGCCA
 ATGAGTTTCTACTCTCAAACCTTCTCCTGTCCCGAGAATCTCCTTACAGTACCATTACGGAATGGG
 GACTGTGGAGAACTGGACTGACGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217451 representing NM_018488
 Red=Cloning site Green=Tags(s)

MLQDKGLSEEEAFRAGPALGEASAANAPEPALAAPGLSGAALGSPPGADVAAAAAEQTIENIKVG
 LHEKELWKKFHEAGTEMIITKAGRRMFPYKVKVTGMNPKTKYILLIDIVPADDHRYKFCDNKWMVAGKA
 EPAMPGRLLYVHPDSPATGAHWMRQLVSFQKLKLTNNHLDPFHIIILNSMHKYQPRLHIVKADENNAFGSK
 NTAFC THVFPETSFISVTSYQNHKITQLKIENNPFAKGFSGSDSLRVARLQSKEYPVIKSKSIMRQLI
 SPQLSATPDVGPLLGTHQALQHYQHENGASQLAEPQDLPLSTFPTQRDSSLFYHCLKRRDGRHLDLPC
 KRSYLEAPSSVGEDHYFRSPPPYDQMLSPSYCSEVTPREACMYSGSGPEIAGVSGVDDLPPPLSCNMW
 TSVSPYTSYSVQTMETVPYQPFTHFTATTMPRLPTLSAQSSQPPGNAHFVSVYQLSQSQVREGRGPSAS
 FPRERGLPQGCERKPPSPHLNAANEFLYSQTFSLSRESSLQYHSGMGTVENWTDG

TRTRPLE - GFP Tag - V

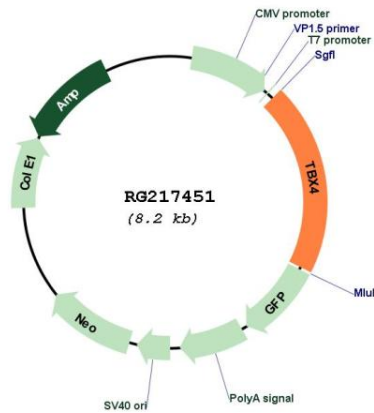
Restriction Sites:

Sgfl-Mlul

RefSeq: [NM_018488.3](#)
RefSeq Size: 2470 bp
RefSeq ORF: 1638 bp
Locus ID: 9496
UniProt ID: [P57082](#)
Cytogenetics: 17q23.2

Gene Summary: This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human homolog of mouse Tbx4, which is closely linked to Tbx2 on mouse chromosome 11. Similarly this gene, like TBX2, maps to human chromosome 17. Expression studies in mouse and chicken show that Tbx4 is expressed in developing hindlimb, but not in forelimb buds, suggesting a role for this gene in regulating limb development and specification of limb identity. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217451