

Product datasheet for **RG218410**

TBX15 (NM_152380) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TBX15
Synonyms:	TBX14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG218410 representing NM_152380
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTTCATGGAGGAGATTCAGGTGGAGCTGCAATGTGCTGACCTCTGGAAGCGGTTCATGATATTG
 GAACTGAAATGATCATCACCAGCAGGAGGATGTTTCTGCCATGAGAGTGAAAATCACTGGCCT
 AGATCCACATCAGCAGTACTACATAGCAATGGACATTGTGCCTGTGGACAATAAAGATACAGATATGTG
 TATCATAGCTCCAAGTGGATGGTGGCTGGCAATGCTGATTCCTCTGTGCCCCAAGAGTTTATATACACC
 CTGATTCTCTAGCTTCTGGAGACACCTGGATGAGACAGGTGGTCAGTTTGGACAACTCAAGCTTACCAA
 CAATGAGTTGGATGATCAAGGACATATCATTCTGCACTCTATGCACAAATACCAGCCTCGAGTTTATGTG
 ATTCGCAAGAGCTTCAGCAGTGACCTTTCACCCACTAAGCCTGTTCTGTTGGGGATGGGGTGAAAAAGCT
 TCAACTTTCCTGAGACTGTGTTACCCACAGTTACGGCCTATCAGAATCAGCAGATTACCAGATTAATAAT
 TGACCGAAACCTTTTGTAAAGGATTAGAGATTCTGGGAGAAACAGAACTGGACTTGAAGCCATCATG
 GAGACATATGCATTCTGGAGACCTCCTGTGCGCACACTCACCTTCGAAGACTTCACCACCATGCAGAAGC
 AGCAAGGAGGCAGCACAGGCACTTCCCAACCACTCCAGCACTGGGACACCATCCCCTTCGGCTTCTTC
 TCATCTTTTATCTCCATCCTGTTCTCCTCCAACCTTTCATCTGGCCCCAACACTTTCATGTGGGCTGC
 CGAGAAAGCCAGCTGTGTAATCTAAACCTCTCTGATTATCCACCATGTGCCGAAGCAACATGGCTGCCT
 TGCAGAGTACCCAGGGCTGAGTGACAGTGGCTACAACAGGCTTCAGAGTGGCACCCTTCAGCCACTCA
 GCCCTCTGAAACCTTCATGCCTCAGAGGACTCCATCCCTGATCTCAGGAATACCAACTCCTCCCTCGTTG
 CCTGGCAACAGCAAGATGGAAGCCTACGGTGGCCAGCTGGGGTCTTTCCTTCCAGTTTTCAGTATG
 TCATGCAGGCAGGCAATGCTGCCTCCAGCTCCTCATCCACACATGTTGGGGGCAGCCACATGCAGCA
 GAGCTCCTACAATGCCTTCTCCCTTACAACCCTTACAACCTGTATGGATACAATTTCCCACTTCCCCT
 AGGCTAGCTGCAAGCCCGAAAACTGAGCGCCTCTCAAAGCACTTACTCTGTTCTTCTCCTTCCAACG
 GGGCCTTTGGAGAGAGGCGAGTACCTGCCGTGAGGATGGAGCACAGCATGCACATGATTAGTCCTTACC
 CAATAACCAACAGGCAACCAACTTGTGATGGCCGGCAGTATGGGGCAGTTCAGGCTCCTCCTCCAG
 ATGTCGGTGACATGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218410 representing NM_152380
 Red=Cloning site Green=Tags(s)

MSSMEEIQVELQCADLWKRFDIGTEMIITKAGRRMFPAMRVKITGLDPHQYYIAMDIVPVDNKRYRYV
 YHSSKWMVAGNADSPVPPRVYIHPDSLASGDTWMRQVVSFDKLKLTNNELDDQGHIIILHSMHKYQPRVHV
 IRKDFSSDLSPTKPVPVGDGKTFNFPETVFTTAYQNQQITRLKIDRNPFAGFRDSGRNRTGLEAIM
 ETYAFWRPPVRTLTFEDFTTMQKQGGSTGTSPTTSSTGTPSPSASSHLLSPSCSPPTFHLAPNTFNVGC
 RESQLCNLNLSDYPPCARSNMAALQSYPLSDSGYNRLQSGTTSATQPSSETFMPQRTPSLISGIPTPSL
 PGNSKMEAYGGQLGSFPTSQFQYVMQAGNAASSSSPHMFGGSHMQSSYNALSLHNPYNLYGYNFPTSP
 RLAASPEKLSASQSTLLCSSPSNGAFGERQYLPSCMEHSMHMI SPSNNQATNTCDGRQYGAVPGSSSQ
 MSVHMV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152380

ORF Size: 1488 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152380.2](#), [NP_689593.2](#)

RefSeq Size: 3513 bp

RefSeq ORF: 1491 bp

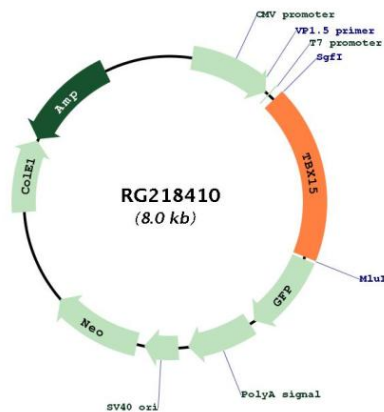
Locus ID: 6913

UniProt ID: [Q96SF7](#)

Cytogenetics: 1p12

Gene Summary: This gene belongs to the T-box family of genes, which encode a phylogenetically conserved family of transcription factors that regulate a variety of developmental processes. All these genes contain a common T-box DNA-binding domain. Mutations in this gene are associated with Cousin syndrome.[provided by RefSeq, Oct 2009]

Product images:



Circular map for RG218410