

Product datasheet for **RG206854**

TBX6 (NM_004608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBX6 (NM_004608) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBX6
Synonyms:	SCDO5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206854 representing NM_004608 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACCATCCACGAGAATTGTACCCGTCCTGGGGCCGGCTACCGCCTGGGGCCGCCAACCTGGGG
CCGACTCCAGCTTCCCACCCGCCCTAGCGGAGGGCTACCGCTACCCCGAACTGGACACCCCTAAACTGGA
TTGCTTCTCTCCGGATGGAGGCTGCTCCCCGACCCCTGGCCGCGCACCCACCTCTGCCCTTCTGCC
CCTGCCATGGGCACTGAGCCGGCCCATCAGCTCCAGAGGCCCTCATTCCCTCCCGGGGTGAGCCTGA
GCCTGGAGAACCAGGAGCTATGGAAGGAGTTCAGCTCTGTGGAAACAGAAATGATCATCACCAAAGCTGG
GAGGCGCATGTTCCCTGCCTGCCGAGTGTCACTACTGGCCTGGACCCGAGGCCCGCTACTTGTTCCT
CTGGATGTGATTCGGGTGGATGGGGCTCGCTACCGCTGGCAGGGCCGGCGCTGGGAGCCAGCGGAAGG
CAGAGCCCGCCTGCCTGACCGTGTCTACATTCACCCGACTCTCCTGCCACTGGTGACATTGGATGCG
GCAGCCTGTGTCTTCCATCGTGTCAAGCTCACCAACAGCACGCTGGACCCACGGCCACCTGATCCTG
CACTCCATGCACAAGTACCAACCCGCATACACCTAGTTCGGGCAGCCAGCTCTGCAGCCAGCACTGGG
GGGGCATGGCCTCCTCCGCTTCCCGAGACCACATTCATCTCCGTGACAGCCTACCAGAACCACAGAT
CACACAAGTGAAGATTGCAGCAATCCCTTTGCCAAAGGCTTCCGGGAGAACGGCAGAACTGTAAGAGG
GAGCGAGACGCCGTGTGAAGAGGAAACTGCCGGGCCAGAGCCAGCCACAGAGGCTATGGGAGCG
GAGACACACCAGGTGGTCCCTGCGACTCCACCCTGGGTGGAGACATTCGTGAATCAGATCCAGAACAGGC
CCCAGCCCGGGGAAGCCACCGCTGCCCGGCACCTCTGTGTGGTGGCCCAAGTCTGAGGCTACCTC
CTGCACCTGCGGCTTCCATGGGGCCCCAGTCACTTCCCACAGGAGCCCGAGCTTCCCGGAGGCTC
CAGACTCCGGGCGCTCAGCCCCCTACTCGGCTGCATTTCTGGAGCTGCCGACGGGTGAGGGGCTCCGG
GTACCCAGCGGCTCCACCGCGGTACCCTTTGCCCGCACTTTCTCAAGGGGGCCCTTCCCTTACCA
TACACCGCCTGGGGCTATCTGGATGTGGGCTCCAACCCATGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206854 representing NM_004608
 Red=Cloning site Green=Tags(s)

MYHPREL YPSLGAGYRLGPAQPGADSSFPPALAEGYRYPELDTPKLDCFLSGMEAAPRTLAAHPPLPLLP
 PAMGTEPAPSAPEALHSLPGVLSLENRELWKEFSSVGTEMIITKAGRRMFACRVSVTGLDPEARYLFL
 LDVIPVDGARYRWQGRRWEPGSKAEPRLPDRVYIHPDSPATGAHWMRQPVSFHRVKLTNSTLDPHGHLIL
 HSMHKYQPRIHLVRAAQLCSQHWGGMASFRRFPETTFISVTAYQNPQITQLKIAANPFKAGFRENGRNCKR
 ERDARVVRKRLRGPEPAATEAYGSGDTPGGPCDSTLGGDIRESDPQAPAPGEATAAPAPLCGGPSAEAYL
 LHPAAFHGAPSHLPTRSPSFPEAPDSGRSAPYSAAFLELPHGSGGSGYPAAPPVVPFAPHFLQGGPFPLP
 YTAGGYLDVGSKPMY

TRTRPLE - GFP Tag - V

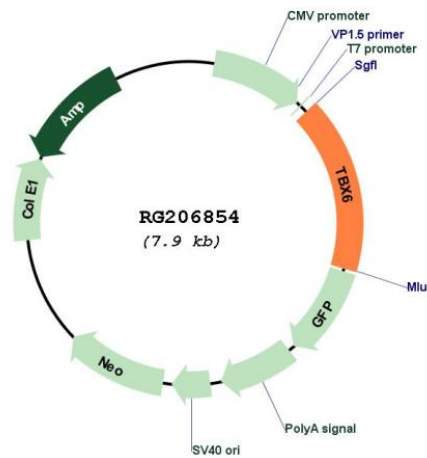
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_004608

ORF Size:	1308 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:	<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:	NM_004608.4
RefSeq Size:	2468 bp
RefSeq ORF:	1311 bp
Locus ID:	6911
UniProt ID:	O95947
Cytogenetics:	16p11.2
Protein Families:	Transcription Factors
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. Knockout studies in mice indicate that this gene is important for specification of paraxial mesoderm structures. [provided by RefSeq, Aug 2008]