TBX18 cDNA Clone – T-Box 18 (Human)

PRODUCT OVERVIEW

Product Name	TBX18, cDNA Clone
Full Product Name	TBX18 cDNA Clone
Product Gene Name	TBX18 cdna clone
Sequence	atggccgaga agcgaagggg ctcgccgtgc agcatgctaa gcctcaaggc gcacgctttc tcggtggagg cgctgatcgg cgccgagaag cagcaacagc ttcagaagaa gcggcgaaaa ctgggcgccg aagaggcggc gagggccgtg gacgacggag gctgcagccg cggcggcggc gcgggcgaaa agggttcttc tgagggagac gaaggcgctg cgctcccgcc gccggctggg gcgacgtctg ggccggctcg gagtggcgca gacctggagc gcggagccgc gggcggctgt gaggacggct tccagcaggg agcttcccct ctggcgtcac cgggaggctc ccccaagggg tctccggcgc gctccctggc ccggcccggg acccctctgc cctcgccgca ggccccgcgg gtggatctgc agggagccga gctctggaag cgctttcatg agataggcac tgagatgatc atcaccaagg ccggcaggcg catgtttcca gcaatgagag tgaagatctc tggattagat cctcaccagc aatattacat tgccatggat attgtaccag tggacaacaa aagatacagg tatgtttacc acagttcgaa atggatggtg gcaggtaatg ctgactcgcc tgtgccaccc cgtgtgtaca ttcatccaga ctcgcctgcc tcgggggaga cttggatgag acaagttatc agcttcgaca agctgaagct caccaacaat gaactggatg accaaggcca tattattctt cattctatgc acaaatacca accgcgagtg cacgtcatcc gtaaagactg tggagacgat ctttctccca tcaagcctgt tccatccggg gagggagtaa aggcattctc ctttccagaa actgtcttca caaccgtcac tgcctatcag aatcagcaga ttactcgcct gaagatagat aggaatccat ttgctaaagg cttccgagac tccgggcgca acagaatggg tttggaagcc ttggtggaat catatgcatt ctggcgacca tcactacgga ctctgacctt tgaagatatc cctggaattc ccaagcaagg caatgcaagt tcctccacct tgctccaagg tactgggaat ggcgttcctg ccactcaccc tcacctttg tctggctcct cttgctcctc tcctgccttc catctggggc ccaacaccag ccagctgtgt agtctggccc ctgctgacta ttctgcctgt gcccgctcag gcctcaccct caaccgatac agcacatctt tggcagagac ctacaacagg ctcaccaacc aggctggtga gacctttgcc ccgcccagga ctccctccta tgtgggcgtg agcagcagca cctccgtgaa catgtccatg ggtggcactg atggggacac cttcagctgc ccacagacca gcttatccat gcagatttcg ggaatgtccc cccagctcca gtatatcatg ccatcaccct ccagcaatgc cttcgccact aaccagaccc atcagggttc ctataatact tttagattac acagcccctg tgcactatat ggatataact tctccacatc ccccaaactg gctgccagtc ctgagaaaat tgtttcttcc caaggaagtt tcttggggtc ctcaccgagt gggaccatga cggatcggca gatgttgccc cctgtggaag gagtgcacct gcttagcagt gggggtcagc agagtttctt tgactctagg accctaggaa gcttaactct gtcatcatct caagtatctg cacatatggt ctga
Molecular Weight	64,753 Da
OMIM	143400
Vector	pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TBX18 cdna clone	MBS1271468 is a cDNA clone targeting TBX18.
Other Notes	Small volumes of TBX18 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBX18. It may not necessarily be applicable to this product.

NCBI GI #	124376545
NCBI GeneID	9096
NCBI Accession #	BC132715
UniProt Secondary Accession #	Q7Z6U4; Q9UJI6; A2RU13
UniProt Related Accession #	O95935
NCBI Official Full Name	Homo sapiens T-box 18, mRNA

NCBI Official Synonym Full Names	T-box 18
NCBI Official Symbol	TBX18
NCBI Official Synonym Symbols	CAKUT2
UniProt Protein Name	T-box transcription factor TBX18
Protein Family	T-box transcription factor
UniProt Gene Name	TBX18
UniProt Synonym Gene Names	T-box protein 18
UniProt Entry Name	TBX18_HUMAN
NCBI Protein Information	T-box transcription factor TBX18
NCBI Summary for TBX18	This genes codes for a member of an evolutionarily conserved family of transcription factors that plays a crucial role in embryonic development. The family is characterized by the presence of the DNA-binding T-box domain and is divided into five sub-families based on sequence conservation in this domain. The encoded protein belongs to the vertebrate specific Tbx1 sub-family. The protein acts as a transcriptional repressor by antagonizing transcriptional activators in the T-box family. The protein forms homo- or heterodimers with other transcription factors of the T-box family or other transcription factors. [provided by RefSeq, Nov 2012]
UniProt Comments for TBX18	TBX18: Probable transcriptional regulator involved in developmental processes. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 6q14-q15 Cellular Component: nucleus Molecular Function: protein binding; protein heterodimerization activity; protein homodimerization activity Disease: Congenital Anomalies Of Kidney And Urinary Tract 2; Huntington Disease
Research Articles on TBX18	**1.** Mutations in TBX18 cause dominant urinary tract malformations via transcriptional dysregulation of ureter development.
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