GTF2F1 cDNA Clone – General Transcription Factor IIF, Polypeptide 1, 74kDa (Human)

PRODUCT OVERVIEW

Product Name	GTF2F1, cDNA Clone
Full Product Name	GTF2F1 cDNA Clone
Product Gene Name	GTF2F1 cdna clone
Sequence	atggcggccc taggccctag cagccagaat gtcactgaat acgtcgttcg agttcctaag aatacaacca aaaaatataa catcatggct tttaatgcag ccgacaaagt caactttgct acgtggaatc aggctcggct ggagcgggac ttgagcaaca agaaaatcta ccaagaggag gagatgcccg aatcgggcgc gggcagtgag ttcaaccgca agcttcggga ggaggctcgg aggaagaagt acggcatcgt cctcaaggag ttccggcccg aggaccagcc ctggctgctc cgggtcaacg gcaaatcagg caggaagttc aagggcatca agaagggagg cgtaacagag aacacgtcct actacatctt cacccagtgc cccgacgggg ccttcgaggc cttccccgtg cacaactggt acaatttcac accgctggcc cggcatcgca cgctcactgc cgaggaggcc gaggaggagt gggagaggag gaacaaggtg ctgaaccact tcagcatcat gcagcagcgg cggctcaagg atcaggacca ggacgaggat gaggaggaga aggagaaacg tggccgcagg aaggcgagcg agctgcgcat ccacgacctg gaggacgacc tggagatgtc gtccgatgcc agtgatgcca gtggtgagga ggggggcaga gtccccaagg ccaagaagaa ggcgccgctg gccaagggcg gcaggaaaaa gaagaagaag aagggttcag acgacgaggc cttcgaggac agcgatgatg gggacttcga gggccaagag gtggactaca tgtcagacgg ctccagtagc tcccaagaag agcctgagag caaggccaag gcgccgcagc aggaggaggg gcccaagggt gtcgatgagc agagcgacag tagtgaggag agtgaggagg agaagccgcc tgaggaggac aaggaggagg aggaggagaa gaaggcaccc accccgcagg agaagaagcg caggaaagac agcagcgagg agtcggacag ctcagaggag agcgacattg acagcgaggc ctcctcagcc ctcttcatgg cgaagaagaa gacgccaccc aagagagagc ggaagccgtc gggagggagc tcaaggggca acagccgccc aggcacgccc agcgcagagg gtggcagcac ctcctccacc ctgcgggcgg ctgccagcaa actcgagcaa gggaagcggg tgagcgagat gcctgcagcc aagcggttgc ggctggacac gggaccccag agcctgtctg ggaagtcgac accccagcca ccatcaggca agacaacacc caacagcggc gacgtgcagg tgactgagga tgccgtgcgc cgctacctga cacggaagcc catgaccact aaggacctgc tgaaaaagtt ccagaccaag aagacagggc tgagcagcga gcagacagtg aacgtgttgg cccagatcct caagcgactc aaccccgagc gcaagatgat caacgacaaa atgcacttct ccctcaagga gtga
Molecular Weight	58,240 Da
OMIM	189968
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GTF2F1 cdna clone	MBS1276509 is a cDNA clone targeting GTF2F1.
Other Notes	Small volumes of GTF2F1 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 GTF2F1. It may not necessarily be applicable to this product.

NCBI GI #	12652738
NCBI GeneID	2962
NCBI Accession #	BC000120
UniProt Secondary Accession #	Q9BWN0; B2RCS0
UniProt Related Accession #	P35269
NCBI Official Full Name	Homo sapiens general transcription factor IIF, polypeptide 1, 74kDa, mRNA
NCBI Official Synonym Full Names	general transcription factor IIF subunit 1

NCBI Official Symbol	GTF2F1
NCBI Official Synonym Symbols	BTF4; RAP74; TF2F1; TFIIF
UniProt Protein Name	General transcription factor IIF subunit 1
UniProt Synonym Protein Names	General transcription factor IIF 74 kDa subunit; Transcription initiation factor IIF subunit alpha; TFIIF-alpha; Transcription initiation factor RAP74
Protein Family	General transcription factor
UniProt Gene Name	GTF2F1
UniProt Synonym Gene Names	RAP74; TFIIF-alpha
UniProt Entry Name	T2FA_HUMAN
NCBI Protein Information	general transcription factor IIF subunit 1
UniProt Comments for GTF2F1	GTF2F1: TFIIF is a general transcription initiation factor that binds to RNA polymerase II and helps to recruit it to the initiation complex in collaboration with TFIIB. It promotes transcription elongation. Heterodimer of an alpha and a beta subunit. Interacts with GTF2F2, CTDP1, TAF6/TAFII80 and URI1. Up-regulated in response to enterovirus 71 (EV71) infection. Belongs to the TFIIF alpha subunit family. Protein type: Kinase, protein; EC 2.7.11.1; Transcription initiation complex; ATYPICAL group; GTF2F1 family Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: cell junction; intracellular membrane-bound organelle; nucleoplasm; nucleus; transcription factor TFIIF complex Molecular Function: phosphatase activator activity; protein binding; transcription coactivator activity; transcription factor binding Biological Process: fibroblast growth factor receptor signaling pathway; gene expression; mRNA capping; nuclear mRNA splicing, via spliceosome; positive regulation of viral transcription; response to virus; RNA elongation from RNA polymerase II promoter; snRNA transcription from RNA polymerase II promoter; transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter
Research Articles on GTF2F1	**1.** These results suggest that Mediator structural shifts induced by activator binding help stably orient pol II prior to transcription initiation within the human mediator-RNA polymerase II-TFIIF assembly.
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