

Product datasheet for **MR204372**

Gtf2h3 (NM_181410) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2h3 (NM_181410) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2h3
Synonyms:	34kDa; 5033417D07Rik; BTF2; BTF2 p34; C730029A10; D5Erttd679e; TFIIH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204372 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**

ATGGCCGCTGACGAAGATGAGTTGAACCTTCTGGTGATCATAGTTGACACCAACCCGATTTGGTGGGGAAAGCAAGCATTAAAGGAATCTCAGTTTACTTTATCCAAATGCATGGATGCAGTGATGGTGTGCGCAATTCACCTGTTTCATGAACCGCTCCAACCAGCTGGCTGTTCATCGCCAGTCACATTCAGGAAAGCCGGCTCTTACCCGGGAAGAACGGTGGACTTGGAGACTTCTCGGAGACCCTGGCAATGCGCTCCCCGACTGTAACCCCTCTGGGAGTAAAGATGGGAAATACGAGCTGTTGACAGTTGCAAACGAGGTGATCGCTGAGGAGATCAAGGATCTGATGACCAAGAGTGACATCAAGGCCAGCATACGGAGACTACTGGCAGGATCCCTGGCCAAAGCTCTGTGCTACATTCACAGAGTGAACAAGGCAGTTAAAGATAATCAGGAGATGAAATCAAGGATTTGGTGATCAAGGCTGCAGAGGACAGCGCACTGCAGTACATGAACCTTCATGAACGTCATCTTTGCTGCTCAGAAACGAGAATATCCTCATCGACGCCTGCGTGTGGACTCGGATTCAGGGCTCCTCCAGCAGGCTTGTGACATCCTGGGGACTGTACCTGAAGGTGCCTCAGATGCCTTCTCCTCGAGTACTTACTGTGGTTTTTCTTCGGACCAAGATCAGCGGTCTCAGCTAATCCTCCCACCCCGATCCACGTGGACTACAGGGCTGCCTGCTCTGTTCATCGCAGTCTCATTGAGATTGGCTATGTCTGCTGTGTCTGTCTATTTTCTGCAATTCAGCCCCATCTGCACCAGTGCAGACAGCTTTAAGATCTCCCTCCCTGTGCTGAAGCCAAGAAGAAGAACAGAAGGTGTCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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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.

RefSeq: [NM_181410.3](#)

RefSeq Size: 2664 bp

RefSeq ORF: 930 bp

Locus ID: 209357

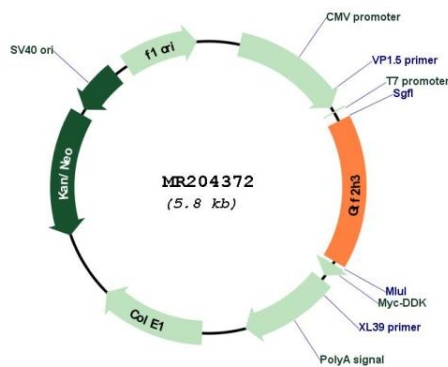
UniProt ID: [Q8VD76](#)

Cytogenetics: 5 63.67 cM

MW: 34.2 kDa

Gene Summary: Component of the general transcription and DNA repair factor IIF (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. In NER, TFIIH acts by opening DNA around the lesion to allow the excision of the damaged oligonucleotide and its replacement by a new DNA fragment. In transcription, TFIIH has an essential role in transcription initiation. When the pre-initiation complex (PIC) has been established, TFIIH is required for promoter opening and promoter escape. Phosphorylation of the C-terminal tail (CTD) of the largest subunit of RNA polymerase II by the kinase module CAK controls the initiation of transcription.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204372