

Product datasheet for **MR207388**

Gtf2h4 (NM_010364) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|-------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Gtf2h4 (NM_010364) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Gtf2h4 |
| Synonyms: | AW545633; BTF2 p52; p5; p52 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR207388 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATCACCCCTGCGAGGGGTGGACTGAACCGAGCACACCTACAATGCAGGAATCTCCAAGAGTTCT
 TAGGAGGCTGAGCCCTGGGGTCTGGACCGATTGATGGGCACCCTGCCACTTGTCTGGCTGTCTTCAG
 GGAGCTCCCTCTTTGGCTAAGAAGTGGGTCATGAGGATGCTCTTTCTGGAGCAGCCGCTACCACAGGCT
 GCGGTGGCCCTGTGGGTGAAGAAGGAGTTCAGCAAGGCTCAGGAGGAAAGTACGGGGCTGCTGAGTGGCC
 TCCGTATCTGGCATACCCAGCTGCTCCCTGGTGGACTCCAAGGCCTCATCTTGAACCCCGTCTTCCGCCA
 GAACCTCCGATTGCCCTTCTGGGTGGGGCAAGGCCTGGTCTGATGACACAAGTCACTGGGACCAGAC
 AAGCACGCCCGGACGCTCCCTCACTGGACAAGTATGCTGAGGAGCGCTGGGAGTGGTCTTGCACCTTCA
 TGGTGGGCTCCCCAGTGCAGCTGTGAGCAAGACCTGGCTCAGCTCCTCAGCCAGGCCGGGCTTATGAA
 AAGCACTGAACCTGGAGAGCCACCTGCATCACTCCGCTGGCTCCAGTTCCTGCTACTGGACACGCCCT
 GCCCAGCTCTGGTACTTCATGCTGCAGTATCTGCAGACAGCCAGAGCCGGGGCATGGATCTGGTGGAGA
 TTCTCTCCTTCTTTCCAGCTCAGCTTCTCCACTCTTGGCAAGGACTACTCTGTGGAGGGGATGAGTGA
 CTCTTTGTTGAACTTCTGCAACACCTGCGTGAGTTTCGGGCTTGTTCAGAGGAAGAGGAAGTCCCGG
 CGTTACTACCCACACGCTGGCCATCAACCTCTCATCTGGTGTCTCTGGGGCTGGGGGCACTGTGCACC
 AGCCAGGCTTCATTGTCGTGGAAGTAAATACCGACTGTACGCCTATACCGAGTCGGAAGTGCAGATCGC
 TCTCATTGCCCTTTCTCCGAAATGCTCTATCGATTCCCAACATGGTGGTGGCACAAGTACCCGGGAG
 AGTGTGCAGCAGGCCATTGCTAGCGGCATCACAGCTCAGCAGATAATCCATTTCTAAGGACAAGGGCAC
 ATCCAGTGATGCTCAAACAGAATCCTGTGCTGCCCCACCATAACAGACCAGATTCGGCTGTGGGAGCT
 GGAAAGGGACAGACTCCGGTTCCTGAAGGCGTCTGTATAACAGTTCCTGTGCGCAAGTGGACTTTGAA
 CTGCTGCTGGCCACGCGCGGGAGCTGGGCGTGTGTGTTGAGAACTCGGCCAAGCGGCTGATGGTGG
 TGACGCCGGCAGGGCACAGCGACGTCAAGCGCTTCTGGAAGCGGCAGAAGCACAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207388 protein sequence
 Red=Cloning site Green=Tags(s)

MEITPARGGLNRAHLQCRNLQEFLGGLSPGVLDRLYGHPTCLAVFRELPSLAKNWMMRMLFLEQPLPQA
 AVALWVKKEFSKAQEEESTGLLSGLRIWHTQLLPGLQGLILNPVFRQNLRIALLGGGKAWSDDTSQLGPD
 KHARDVPSLDKYAEERWEVVLHFMVSGSPSAAVSQDLAQLLSQAGLMKSTEPGEPPCITSAGFQFLLLDTP
 AQLWYFMLQYLQTAQSRGMDLVEILSFLFQLSFTLGKDYSEMGSDSLLNFLQHLREFGLVFQRKRKSR
 RYYPTRLAINLSSGVSGAGGTVHQPGFIVVETNYRLYAYTESELQIALIALFSEMLYRFPNMVVAQVTRE
 SVQQAIASGITAQQIIHFLRTRAHPVMLKQNPVLPPTITDQIRLWELERDRLRFTEGLVYNQFLSQVDFE
 LLLAHARELGVLVFENSAKRLMVVTPAGHSDVKRFWKRQKHSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010364

ORF Size: 1392 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.

RefSeq: [NM_010364.1](#), [NM_010364.2](#), [NM_010364.3](#), [NM_010364.4](#), [NP_034494.1](#)

RefSeq Size: 1613 bp

RefSeq ORF: 1392 bp

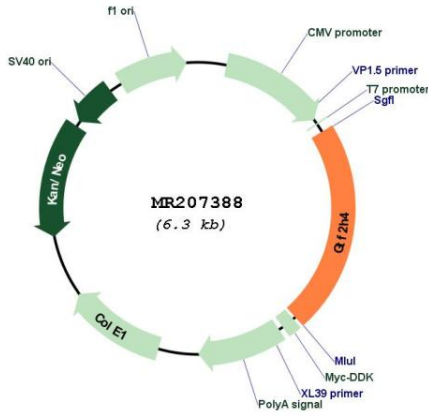
Locus ID: 14885

UniProt ID: [O70422](#)

Cytogenetics: 17 B1
MW: 52.2 kDa

Gene Summary: This gene encodes a subunit of the general transcription factor multiprotein complex that plays roles in basal transcription, DNA repair and cell cycle control. [provided by RefSeq, Dec 2014]

Product images:



Circular map for MR207388