

Product datasheet for **RR210074**

Gtf2h4 (NM_212501) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Gtf2h4 (NM_212501) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Gtf2h4 |
| Synonyms: | MGC156549 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RR210074 representing NM_212501
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGATCACCCCGAGGGGTGGACTGAACCGAGCACACCTACAATGCAGGAATCTACAGGAGTTCT
 TAGGCGGCTGAGCCCTGGGGTCTGGACCGATTGTATGGACACCCTGCCACTTGTCTGGCTGTCTTCAG
 GGAGCTCCCTTCTGGCTAAGAAGTGGGTGATGAGAATGCTCTTTCTGGAGCAGCCTCTACCACAGGCT
 GCCGTGGCCCTGTGGTGAAGAAGGAGTTCAGCAAGGCTCAGGAGGAAAGTACCGGGCTGTTGAGTGGCC
 TCCGTATTTGGCATACCCAGCTGCTCCCGGTGGACTCCAGGCCTCATCTTGAACCCTGTCTCCGCCA
 GAACCTCCGAATTGCTCTTCTGGTGGGGCAAGGCCTGGTCTGATGACACAAGTCACTGGGACCAGAC
 AAGCACGCCCGGATGTCCCTCACTTGATAAGTACGCCGAGGAGCGCTGGGAGTGGTCTTGCAATTTCA
 TGGTGGGCTCCCGAGTGCAGCTGTGAGCAGGACCTGGCTCAACTCCTCAGCCAGGCCGGGCTTATGAA
 AAGCACGAACCCGAGAGCCACCGTGTATCACTCCGCTGGCTCCAGTTCCTGCTCCTAGACACGCCCT
 GCCCAGCTCTGGTACTTCATGCTGCAATATCTGCAGACAGCCAGAGTCCGGGCATGGATCTAGTGGAGA
 TTCTCTCCTTCTTTCCAGCTCAGTTTCTACTCTTGGCAAGGACTACTCCGTGGAGGGGATGAGTGA
 TTCTTTGTTGAATTCCTGCAACACCTGCGTGAATTCGGGCTTGTTCAGAGGAAGAGGAAGTCCCGG
 CGTTACTACCCACACGCTGGCCATCAACCTCTCATCTGGTGTCTCCGGGGCTGGGGGCACTGTGACC
 AGCCTGGCTTCATTGTCGTCGAACCAATTACAGACTGTATGCCTATACCGAGTCGGAGCTGCAGATCGC
 CCTCATTGCTCTTTCTCGAGATGCTCTATCGATTCCCAACATGGTGGTGGCACAAGTACCCGGGAG
 AGCGTGCAGCAGGCCATCGCCAGTGGCATCACTGCCAGCAGATTATCCATTTCTAAGGACCAGGGCCC
 ATCCAGTGATGCTCAAACAGACTCCTGTGCTGCCCCACCATAACAGACCAGATTCCGGTGTGGGAGCT
 GGAAAGGACAGACTTCGGTCACTGAAGGCGTTCTGTACAACCAGTTCCTATCGCAAGTGGACTTTGAA
 TTGCTGCTGGCCACGCGGGAGCTGGCGTGTCTGTTGAGAACTCGGCCAAGCGGCTGATGGTGG
 TGACACCGCGGGGCACAGCGACTCAAGCGCTTCTGGAAGCGGCAGAAGCACAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210074 representing NM_212501
 Red=Cloning site Green=Tags(s)

MEITPARGGLNRAHLQCRNLQEFLLGGLSPGVLDRLYGH PATCLAVFRELP SLAKNWMRMLFLEQLPQA
 AVALWVKKEFSKAQEESTGLLSGLRIWHTQLLPGLQGLILNPVFRQNLRIALLGGGKAWSDDTSQLGPD
 KHARDVPSLDKYAEERWEVVLHFMVGSPSAAVSQDLAQLLSQAGLMKSTEPGEPPCITSAGFQFLLDTP
 AQLWYFMLQYLQTAQSRGMDLVEILSFLFQLSFSTLTKDYSVEGMSDSSLNFLQHLREFGLVFQRKRKSR
 RYYPTRLAINLSSGVSGAGGTVHQPGFIVVETNYRLYAYTESELQIALIALFSEMLYRFPNMVVAQVTR
 SVQQAIASGITAQQIIHFLRTRAHPVMLKQTPVLPPTITDQIRLWELERDRLRFTEGLVYNQFLSQVDFE
 LLLAHARELGVLVFENSAKRLMVVTPAGHSDVKRFWKRQKHSS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

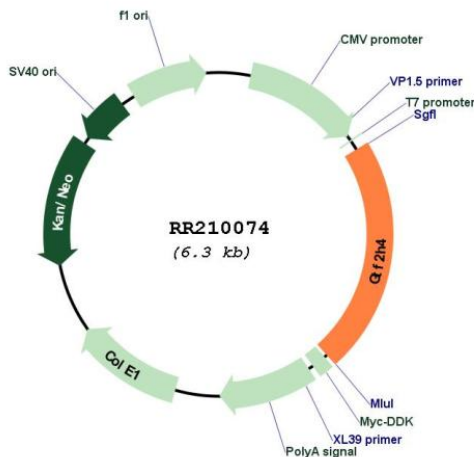
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_212501

ORF Size: 1389 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_212501.2](#), [NP_997666.1](#)

RefSeq Size: 1692 bp

RefSeq ORF: 1392 bp

Locus ID: 294236

Cytogenetics: 20p12

MW: 52.2 kDa

Gene Summary: human homolog is a subunit of the transcription factor TFIIH complex and plays roles in transcription and DNA repair [RGD, Feb 2006]