

Product datasheet for **RG209544**

GTF2H2C_2 (NM_001042490) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF2H2C_2 (NM_001042490) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GTF2H2C_2
Synonyms:	GTF2H2D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209544 representing NM_001042490 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGAAGAACCTGAAAGAATAAGCGATGGGAAGGAGGCTATGAAAGAACATGGGAGATTCTTAAAG
AAGATGAATCTGGATCACTTAAAGCTACAATAGAAGACATTCTATTCAAGGCAAAGAGAAAAAGAGTATT
TGAGCACCATGGACAAGTTCGACTTGGAAATGATGCGCCACCTTTATGTGGTAGTAGATGGATCAAGAACA
ATGGAAGACCAAGATTTAAAGCCTAATAGACTGACGTGACTTTAAAGTTGTTGGAATACTTTGTAGAGG
AATATTTTATGATCAAAATCCTATTAGTCAGATTGGAATAATTGTAACCTAAGAGTAAAAGAGCTGAAAAATT
GACTGAACTTTCAGGAAACCAAGAAAACATATAACGTCTTTGAAGGAAGCTGTGGATATGACCTGCCAT
GGAGAGCCATCTCTTTATAATCCCTAAGCATGGCTATGCAGACTCTAAAACACATGCCTGGACATACAA
GTGCGAGAAGTACTAATCATCTTTAGCAGCCTTACAACCTTGCATCCATCTAATATTTATGATTTAATCAA
GACCCTAAAGGCAGCTAAAATTAGAGTATCTGTTATTGGATTGTCTGCAGAAGTTCGCGTTTGCAGTGA
CTTGCTCGTGAAGTGGTGGCAGTACCATGTTATTTAGATGAAAGCCATTACAAGAGTTGCTCACAC
ATCATCTAGTCTCCTCCTGCTAGCTCAAGTCTGAATGCTCACTTATTCGATGGGATTTCTCAGCA
CACCATTGCTTTTATCTGACCAGGATGCAAAACCTCTTTGAGCATGGCGCATTGGATGGCAATACT
GAGCCAGGGCTTACATTAGGAGGCTATTTCTGCCACAGTGTGGGCAAAGTACTGTGAGTACCTGTTG
AATGTAATAATCTGTGGTCTTACTTTGGTGTCTGCTCCCACTGGCAGCGTCTTACCATCATTTGTTTCC
TTTGGATGCTTTTCAAGAAATCCCTAGAAGAATATAATGGAGAAGATTTTGTATGGATGTCAGGGG
GAATTGAAAGACCAACATGTTTATGTTTGTGCTGTGTGCCAAAATGTTTCTGTGTGGAGTGTGATGTTT
TTGTTTATGATTCTTACACTGTTGCCCTGGCTGATTTCATAAGATTCCAGCTCCTTCAGGTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209544 representing NM_001042490
 Red=Cloning site Green=Tags(s)

MDEEPERTKRWEGGYERTWEILKEDESGSLKATIEDILFKAKRKRVFEEHGGVRLGMMRHLVYVVVDGSRT
 MEDQDLKPNRLTCTLKLLLEYFVEEYFDQNPISQIGIIVTKSKRAEKLTELSGNPRKHITSLKEAVDMTCH
 GEPSLYNSLSMAMQTLKHMPGHTSREVLIIFFSSLTTCDPNSNIYDLIKTLKAAKIRVSVIGLSAEVRVCTV
 LARETGTTYHVILDESHYKELLTHHLSPPPASSSSECSLIRMGFPQHTIASLSDQDAKPSFSMAHLDGNT
 EPLGLTLGGYFCPQCRAKYCELPVECKICGLTLVSAPHLARSYHHLFPLDAFQEIPLEEYNGERFCYGCQG
 ELKDQHYVYCAVCQNVFCVDCDVFVHDSLHCCPGCIHKIPAPSGV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042490

ORF Size: 1185 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_001042490.4](#)

RefSeq Size: 1843 bp

RefSeq ORF: 1188 bp

Locus ID: 730394

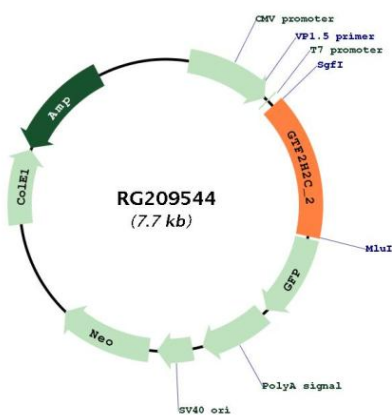
UniProt ID: [Q6P1K8](#)

Cytogenetics: 5q13.2

Protein Families: Druggable Genome

Gene Summary: Component of the core-TFIIF basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209544