

## Product datasheet for **SC212942**

### GTF2H1 (NM\_001142307) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** GTF2H1 (NM\_001142307) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** GTF2H1  
**Synonyms:** BTF2; P62; TFB1; TFIIH  
**ACCN:** NM\_001142307  
**Insert Size:** 1206 bp  
**Insert Sequence:** >SC212942 3'UTR clone of NM\_001142307  
 The sequence shown below is from the reference sequence of NM\_001142307. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGTCACGGCGTCTGATGAAGAAAACGTGAGGTGGCCATGATGCTTACAGGTTTTGTGAGATTGAGAGA
ACTATGACCTGCAGCAACTCTGAAACCTGGCCTGACAGACAAGCAGATGACCTCACAGGAGTGATAAG
AAACATCTGCTCCACGCCAACTCCAGAGCTGATGCTATTGTAAGTGGAGACTGAAAGGAAA
GAAGGGACTAAATGCTGGGGAGGTAATTAAGACAGAACCAAATGAGCTAAGTTGCAAATATATATATA
TACACACACACATATATGTACATGTGTATGTACATATATATTTTAAAAGACTGTTTACTGCGATTGC
TCAGGAACTGCTTTTGATTACATTAAGCTGCTTTCAGAAATAAAAAACACTTTTTAAAGGGTGCAT
TGATAAAATCTGAGGTTTTTGGTTGTCGTTTTTTCTGTGTACATTTTTTCTAAGTTTATGGCACA
GGGTAGACCTTAAGTATTCCTCCTCCATCCTTCATTCTCACCCCTCCATTGGATCCTCAAGTTTTAATG
AATTCCAATTATACCTTACATCAGCAAGTAAAAAAGTACTTTAAAATAAAGCAAAGGGAGACTGTTG
CTCAACCATCAGGAAACAGTTGTCAGAAGACATCATTGGTTCTGTGTTTCTACGAAATAAAGAAACGA
TAAATATTGCACTGAATGTTTGGTTTTGGAGTCCCTGAATAATAAAGAGGGAATATATTTGCAGAAAG
TCGCATAGGGTTTTTAAATGCAGATTTTGTGAGAAGACAATGGCGCTGCATGTTTTTCTTTGAGTGCA
AATGTACATTGCTAAGATTTTTTAAAGATGGCATGTGCTTTGAAAAGAAGATATTGCATTTTTAAGAGT
TTAAAAATCTTATGAGTGAGAAATATAAAAAATCTTATTTTACCTCTTTAGAAGAAATAAAGATG
TTTCTCTATCTCTTTTCTCTAGTATTGACTGTTACTGTCTTGGCGAATCGATAATCATTGCATAG
TGACTGAAAGCCTAAGTGCAAAAAAAAAAAAAAAAAAGATGTTCTGTGTTCTGAACTTCGTGCCATATTT
TGTTCTGATGGGATCACTTAATGTTTAAAGACTTTAGATGTCTGTATTAATAAATTACACAAAAAAG
TAAAACTTTTTAACTTACCCTTTAACTCTAA
ACGCGTAAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_001142307.2</a>
<b>Summary:</b>	Component of the general transcription and DNA repair factor IIH (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]
<b>Locus ID:</b>	2965
<b>MW:</b>	46.7