

## Product datasheet for **SC321338**

### TFIIF (GTF2F2) (NM\_004128) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIF (GTF2F2) (NM_004128) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFIIF
Synonyms:	BTF4; RAP30; TF2F2; TFIIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_004128.1</p> <pre>AAGGAACGCCGGCTCTTCGCCTCTCAGCGCGGCTTGCTCTTTGTTCCGGACGCCGCTCC TCAGCCCTGCGGCTCCTGGGGTCGCTGCTGCATCCCGCACGCTCCACCGGCTGCAGACC CATGGCCGAGCGCGGGAACTCGACTTGACCGGCGCAAACAGAACACAGGAGTGTGGCT AGTCAAGGTTCTAAATATTTGTCACAGCAATGGGCTAAAGCTTCTGGAAGAGGTGAAGT TGGGAACTGCGGATTGCCAAGACTCAAGGAAGGACTGAGGTGTCATTTACTTTGAATGA GGATCTTGCAAATATTCATGATATTGGTGGAAAACAGCTTCAGTCAGTGCTCCTAGAGA ACATCCATTTGTCTTGCAAAGTGTGGAGGACAGACATTAACAGTATTTACTGAGAGCTC ATCAGATAAGCTGTCATTGGAAGGAATAGTGGTACAAAGAGCTGAATGCCGACCAGCTGC CAGTGAAAACACTACATGCGATTAAGGATTGCAAATAGAAGAGTCTTCCAAACAGTGAG GCTATCACAACAGCTGGACAAAGTTGTAACAACCAATTACAAACCTGTTGCTAATCATCA ATACAATATCGAATATGAAAGGAAAAAGAAAGAAGACGGAAGCGAGCTCGAGCTGATAA ACAACATGTTTTAGACATGCTATTTTCAGCCTTTGAGAAAACATCAATACTATAATCTTAA GGACTTGGTGGACATCACAAAACAACCTGTGGTGTACCTGAAGGAAATCTTAAAAGAAAT TGGTGTTCAGAATGTAAGGATCCACAAAACACATGGGAGCTGAAGCCAGAGTACAG ACACTATCAAGGAGAAGAAAAGAGTGACTAAGAAGACTCCTAGCCAGCATGCTAGTGAAA CGACTAGCAGCGATGCTATGCAAAGGCGCTGATACTGGAAGGCTTGAACACCGTATGTT AATAGGGGTTAAGTGACAGTACTTTGATTTCTCTCGGTAATTTTTAAACCTGTAATTC TTGTAAGTTTCTAACTGTTTTTTTTGAGGAGAAAGAACAGATTTATTTATAGACTTAAC TTGTATTAACCAGATTATTCACAGTAGGAATAGGGGTTGGAGGATTAAGAGGGTTTTTC TTAAATATTAGCTTTAATGTGTACAATTAGGAAATTTTTTAAGTGAGGACTCTCTACC CTTGCCGTATCTAAGGAGCTGAGGTAATACAGATCCAAGGAGAATTGTATAGCAAGAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_004128



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_004128.1, NP_004119.1</u>
<b>RefSeq Size:</b>	1408 bp
<b>RefSeq ORF:</b>	750 bp
<b>Locus ID:</b>	2963
<b>UniProt ID:</b>	<u>P13984</u>
<b>Cytogenetics:</b>	13q14.12-q14.13
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Basal transcription factors
<b>Gene Summary:</b>	TFIIF is a general transcription initiation factor that binds to RNA polymerase II and helps to recruit it to the initiation complex in collaboration with TFIIB. It promotes transcription elongation. This subunit shows ATP-dependent DNA-helicase activity.[UniProtKB/Swiss-Prot Function]