

Product datasheet for **SC320510**

TFIIE beta (GTF2E2) (NM_002095) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIE beta (GTF2E2) (NM_002095) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFIIE beta
Synonyms:	FE; TF2E2; TFIIE-B; TTD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002095.4
 CGGGAAGTGGCGGGCGGAGTCCCAGTCCAGTCCGCGCCTCAGCTACCGCCGCTGCCGCC
 GCCGCGCGCCACCGCCAGTGGTGGAGACCCCGACCTGGCGGGTCCAGCGCTGGGCGTGCG
 TGCGGGCAGGCGGGGGCGCTGACGAGAAGCAGGAAGAGGGTGCAGTGCCGGCGTGGGCGG
 CCGGCCGAGGCGGAGGCGCAGGAAGGGGGCGCGAGTCGTGCGAGGCTGCCCTTCTCACT
 CAGCATTATGGATCCAAGCCTGTTGAGAGAAAGGAGCTGTTCAAAAAACGAGCTTTTC
 TACTCCTGTAGTAGAAAAACGTTTCAGCATCTTCTGAGTCATCATCATCATCGTCAAAGAA
 GAAGAAAACAAAGGTAGAACATGGAGGATCGTCAGGCTCTAAACAAAATTCTGATCATAG
 CAATGGATCATTTAACTTGAAGCTTTGTGAGGAGCTCTGGATATAAGTTTGGTGTCTT
 TGCTAAGATTGTGAATTACATGAAGACACGGCATCAGCGAGGAGATACGCATCCTCTAAC
 CTTAGATGAAATTTGGATGAAACACAACATTTAGATATTGGACTCAAGCAGAAACAATG
 GCTAATGACTGAGGCTTTAGTCAACAATCCAAAATTGAAGTAATAGATGGGAAGTATGC
 TTTCAAGCCCAAGTACAACGTGAGAGATAAGAAGGCCCTACTTAGGCTCTAGATCAGCA
 TGACCAGCGAGGATTAGGAGGAATCTTTTAGAAGACATAGAAGAAGCACTGCCCAATTC
 CCAGAAAGCTGTCAAGGCTTTGGGGACCAGATACTATTTGTAATCGTCCCGATAAGAA
 GAAATACTTTTCTTCAATGATAAGAGCTGTCAAGTTTCTGTGGATGAAGAATTTAGAA
 ACTGTGGAGGAGTGTCACTGTAGATTCCATGGACGAGGAGAAAATTGAAGAATATCTGAA
 GCGACAGGGTATTTCTTCCATGCAGGAATCTGGACCAAAGAAAAGTGGCCCTATTCAGAG
 AAGGAAAAGCCTGCTTACAGAAAAAGCGACGCTTTAAGACTCATAACGAACACTTGGC
 TGGAGTGTGAAGGATTACTCTGACATTACTCCAGCAATAGGGAACAGTTTGGCCCTG
 GAACAGAGTTACAGATACACAATCAAGAGTGTTCTTGCTGATGCTCGGGGTCTGAAGACT
 GTCTTCTATCTGCTTCTTGGCGCTGAGGAGAGGAGCAGTTCAGTTTACAAAACAAGTGC
 AAATTACCAAACCTCAAAGCTTATTTGAGTAGAATGGGCTCATGGGCAATGTGATGTTCCC
 TGTTAACCTTCTGTTACTCCCTGGGAGAAAGCGCTGAGCGTGGCATGCAGGTGTCTTTG
 CTGTGTTTTCTCCACTTCTAAATGGTTCCTGTTCTTTCTTCTCGTTTGTACTTTA
 GAGCAAGTTTGCCCATAGTCTTGAATGCAATATTTGTTTATTCCAAAAGAACATATTTAT
 AATAAAATCACTGTAGAAGGATTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_002095

OTI Disclaimer: 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).

OTI Annotation: 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.

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:	<ol style="list-style-type: none">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_002095.4 , NP_002086.1
RefSeq Size:	1560 bp
RefSeq ORF:	876 bp
Locus ID:	2961
UniProt ID:	P29084
Cytogenetics:	8p12
Domains:	TFIIE_beta
Protein Families:	Transcription Factors
Protein Pathways:	Basal transcription factors
Gene Summary:	<p>The general transcription factor IIE (TFIIE) is part of the RNA polymerase II transcription initiation complex, recruiting TFIIF and being essential for promoter clearance by RNA polymerase II. TFIIE is a heterodimer (and sometimes heterotetramer) of alpha and beta subunits. The protein encoded by this gene represents the beta subunit of TFIIE. [provided by RefSeq, Jan 2017]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>