

Product datasheet for SC116700

TFIIE alpha (GTF2E1) (NM_005513) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIE alpha (GTF2E1) (NM_005513) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFIIE alpha
Synonyms:	FE; TF2E1; TFIIE-A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116700 sequence for NM_005513 edited (data generated by NextGen Sequencing)

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ATGGCAGACCCAGATGTCCTCACTGAAGTTCAGCAGCATTGAAGCGTTAGCCAAGTAT
GTGATCCGGGGATTTTATGGCATTGAGCATGCCTTGGCCTTGGACATCTTGATCAGGAAC
TCCTGTGTGAAAGAGGAGGATATGCTGGAGCTGCTCAAGTTTGATCGGAAGCAACTTCGA
TCAGTTTTGAATAATTTAAAGGGAGACAAGTTTATCAAATGCAGAATGAGGGTAGAGACT
GCTGCAGACGGGAAAACCACTCGCCATACTACTACTTCATCAATTATCGTACTCTTGTT
AATGTGGTAAAATATAAACTGGACCACATGAGAAGAAGAATTGAGACCGATGAGAGAGAT
TCGACCAACCGGGCTTCCCTTCAAATGCCTGTCTGTAGTAGTACTTTACAGACTTAGAA
GCTAATCAGCTCTTTGATCCTATGACAGGAACTTCCGCTGTACTTTTTGCCATACAGAG
GTAGAAGAGGATGAATCAGCAATGCCCAAAAAGATGCACGCACACTTTTGGCAAGGTTT
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TATGAAATACTTGAGCCAGAACCACAGAAATCCAGCCCTGAAACAGAGCAAGGACCAT
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CAAGAAGATCTTCATCGAGCCTCACTGGAAGGGAAATCTGCCAAAGAGAGGCCTATTTGG
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CGTCCGTTCTCCTACAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA
GAAGAAAAGGAAGCATATATAGCAATGGGACAACGCATGTTTGAGGACCTCTTTGAGTGA

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Clone variation with respect to NM_005513.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005513 unedited
 GGGTCACATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGCGCTGGGGG
 CAGCTGTAGTGGGAGTGTTCAGGATTCGCCTTGTATATTTAAAGTTGGAGTTCGTTGCT
 AAAGATGGCAGACCCAGATGTCTCACTGAAGTTCCAGCAGCATTGAAGCGGTTAGCCAA
 GTATGTGATCCGGGATTTTATGGCATTGAGCATGCCTTGGCCTTGGACATCTTGATCAG
 GAACTCCTGTGTAAAAGAGGAGGATATGCTGGAGCTGCTCAAGTTTGATCGGAAGCAACT
 TCGATCAGTTTTGAATAATTTAAAGGGAGACAAGTTTATCAAATGCAGAATGAGGGTAGA
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 TGTTAATGTGGTAAAATATAAACTGGACCACATGAGAAGAAGAATTGAGACCGATGAGAG
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 AGAGGTAGAAGAGGATGAATCAGCAATGCCAAAAAAGATGCACGCACACTTTTGGCAAG
 GTTTAATGAACAAATTGAGCCATTTATGCATTGCTTCGGGAGACAGAGGATGTGAACTT
 GGCCTATGAAATACTTGAGCCAGAACCCACAGAAATCCCAGCCCTGAAACAGAGCAAGGA
 CCATGCAGNCACTACTGTGGAGCTGCTAGCCTAGCAGGTGGGCACCACCGGGGAGCATG
 GGCCACCAAAGGTCCTTTCTATGAAGACTTATACACTCAGAATGTTGTCATTTACATGGA
 TGACCAAGAAGATCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005513 unedited
 GTATTTGTCACATTCAGTCTTAACACAACCCGGTAAATGAAACATCACTCCATACAAGGC
 TCATATATTTCTTACATGTGACTATAAAATGATAAATACTTAAAAATTACAATGCAAGG
 AAAAATATTGTAAGATATACAATTGTTACAGACCCTTGTGTGAAAGTTCTTTATTTTAA
 AGTTCTGCCTTAGGGAAAATACCATGCTACATATCAGAACCCAAAATAAACTGTTTCCTG
 AGGTTACAATGCTCAATGGTATACTGGATGCACCCTAAAATACTGTGTCTGACAAAAATT
 AAAAGAGAGACAGCCTTCAATGATGTTTAGAAAAGAGGGAGAGTGACAGAGAGAGAGAAGA
 GTAATCAATTAATCTGTTGATTTCTGCTGGAATGGCCTCATTAAACAATTTATAGCACTG
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 TTTCCAAATCAGACTAATGACACAGTTCTAAGGCACTGTTACCAATGCTTGTCACTCTT
 CAACCTTCACAGAGACTTCTTGTCTTACGTCCATGTTTTCTAATTTCTTCTAAGGGT
 TTACCAATTATACTTCTGTTTTCTATCATCCTAAATCCCAACCAAAAAGACATTAANGCAT
 ACAATAAAATCTACCAGTCTGGTCAGTTCTAAAGACACAAAATCTGGTTTAGACATTAT
 TCATAGACTCAGTTTATNTTTCCCTTTCAACACGCTCCCAATTNCCCTTCATATTGATCC
 ATCTAATTTTGGGAATGCTCAATTCTAAGCAAAATTCAGGAATTTTCCCATAAGGAT
 TAGACTGTGAAAATGTTTTGGTGGGCCCATAAAAATTGNTGGAAGCCTGCTTGAAAAA
 TAAAGAGGGGACAGGATTTGGACCTCTGGTTAACCAAGGTGGAAGGTTACCTTGAACCT
 CCTCTCTTTAAGGGAAAATTTTTTTTTAAGAGAACAATAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_005513

Insert Size:

3000 bp

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).

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_005513.1](#), [NP_005504.1](#)

RefSeq Size: 2969 bp

RefSeq ORF: 1320 bp

Locus ID: 2960

UniProt ID: [P29083](#)

Cytogenetics: 3q13.33

Domains: TFIIE

Protein Families: Transcription Factors

Protein Pathways: Basal transcription factors

Gene Summary: Recruits TFIIH to the initiation complex and stimulates the RNA polymerase II C-terminal domain kinase and DNA-dependent ATPase activities of TFIIH. Both TFIIH and TFIIE are required for promoter clearance by RNA polymerase.[UniProtKB/Swiss-Prot Function]