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Product datasheet for SC330988

GTF2H3 (NM_001271868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF2H3 (NM_001271868) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTF2H3
Synonyms:	BTF2; P34; TFB4; TFIIH
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330988 representing NM_001271868. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGAACAAGGAAGTTAAAGACAATCAGGAAATGAAATCAAGGATATTGGTGATTAAGGCTGCAGAAGAC AGTGCGTTGCAGTATATGAACTTCATGAATGTCATCTTTGCAGCACAGAAACAGAATATTTTGATTGAT GCCTGTGTTTTAGACTCCGACTCAGGGCTCCTCCAACAGGCTTGTGACATCACGGGAGGACTGTACCTG AAGGTGCCTCAGATGCCTTCTCTTCTGCAGTATTTGCTGTGGGTGTTTCTTCCCGATCAAGATCAGAGA TCTCAGTTAATCCTCCCACCCCCAGTTCATGTTGACTACAGGGCTGCTTGCTTCTGTCATCGAAATCTC ATTGAAATTGGTTATGTCTGTTCTGTGTGTTTGTCAATATTCTGCAATTTCAGCCCCATTTGTACTACG TGCGAGACAGCCTTTAAAATTTCTCTGCCTCCAGTGCTGAAAGCCAAGAAAAAGAAACTGAAAGTGTCT GCCTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001271868
Insert Size:	489 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).

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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_001271868.1
RefSeq Size:	3270 bp
RefSeq ORF:	489 bp
Locus ID:	2967
UniProt ID:	Q13889
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Basal transcription factors, Nucleotide excision repair
MW:	18.2 kDa
Gene Summary:	This gene encodes a member of the TFB4 family. The encoded protein is a subunit of the core-TFIIH basal transcription factor and localizes to the nucleus. The encoded protein is involved in RNA transcription by RNA polymerase II and nucleotide excision repair and associates with the Cdk-activating kinase complex. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 14. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (4) lacks an exon in the central coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (d) has a shorter N-terminus compared to isoform a.