OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC201266

Gtf2h3 (NM_181410) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2h3 (NM_181410) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtf2h3
Synonyms:	34kDa; 5033417D07Rik; BTF2; BTF2 p34; C730029A10; D5Ertd679e; TFIIH
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC017515 sequence for NM_181410 CGGAGGCGTAGGGAAGCAATGGCCGCTGACGAAGATGAGTTGAACCTTCTGGTGATCATAGTTGACACCA ACCCGATTTGGTGGGGAAAGCAAGCATTAAAGGAATCTCAGTTTACTTTATCCAAATGCATGGATGCAGT GATGGTGCTGGCGAATTCTCACCTGTTCATGAACCGCTCCAACCAGCTGGCTGTCATCGCCAGTCACATT CAGGAAAGCCGGCTCTTATACCCGGGGAAGAACGGTGGACTTGGAGACTTCTTCGGAGACCCTGGCAATG CGCTCCCCGACTGTAACCCCTCTGGGAGTAAAGATGGGAAATACGAGCTGTTGACAGTTGCAAACGAGGT GATCGCTGAGGAGATCAAGGATCTGATGACCAAGAGTGACATCAAGGGCCAGCATACGGAGACACTACTG GCAGGATCCCTGGCCAAAGCTCTGTGCTACATTCACAGAGTGAACAAGGCAGTTAAAGATAATCAGGAGA TGAAATCAAGGATTTTGGTGATCAAGGCTGCAGAGGACAGCGCACTGCAGTACATGAACTTCATGAACGT CATCTTTGCTGCTCAGAAGCAGAATATCCTCATCGACGCCTGCGTGCTGGACTCGGATTCAGGGCTCCTC CAGCAGGCTTGTGACATCACTGGGGGACTGTACCTGAAGGTGCCTCAGATGCCTTCTCTCCTGCAGTACT TACTGTGGGTTTTTCTTCCGGACCAAGATCAGCGGTCTCAGCTAATCCTCCCACCCCCGATCCACGTGGA CTACAGGGCTGCCTGCTTCTGTCATCGCAGTCTCATTGAGATTGGCTATGTCTGCTCTGTGTGTCTGTCT ATTTTCTGCAATTTCAGCCCCATCTGCACCACGTGCGAGACAGCTTTTAAGATCTCCCTCCCTCCTGTGC TGAAGGCCAAGAAGAAGAAACAGAAGGTGTCCCTGTGACCAGCGCCACAGGCTTCCCCAGCTCGTCCCAC AGGCTGTAGGGAGCATGGAGGAATTCTTTGAAACACTGCTCTTGCCCTGTGCTTCCAGGGTGTGAAGCTG CAGAGGACCCACACCTCCGATTTCTCTGGGAAGGGGGACAGGTGTACTTATTTGTTGTTGTAGGGTAGCA GTTGCCTGGCAGATGCTAAGCTGTTGCTGTTTTGTTGTCGCTTTGATTTTGGTGCTGGGTTTTGAAGCCC AGCCTTGCAGGAGCCAGGCCGGCAGCCCCGCACTGAGCTGCAGTCAGCTCCCTGGGACTCTCTGTTCAGA TGATCCTCTGTCAGCGCTTATGGCGGATGCTGGGTCTTCTGCACTTCAGGATTGGTAGTGTGTGAAGTTG GATGCCATTTGGGAAGATGACCAGCATTGGGTCACGGCAGCAGTCATAACAGAGCATCTTAGTTGCTCAT GGTACACTGCTAGAACCTTGAACCTGGGAGGCTGAGACAGGAAAGTTTTGGGTTCAGATCCTGCCTGGGA TGTGTAGAAGATCCTGGCTTTTTTTTTTTTTTTTAAAGAACATTTTACTTAAAATAAATTGTTTCCTTTA ACTATACTCAACTGTAACCTGAGCTAAAGGCACAAGCCTTCAGTCTCAGCACTCAGGGAGCAGAGACAGG TGTATCTCTGAGTTTGAGGCCAGCCTGGTCTACAGAGGGAGTTCAAACCAACCAGGGTTGCATCTTGCCA CCTTTTTTACAAAAATATAAAAACTAGTAACATTAACATTGGAGAACTTTTGAATACTAGACATGTAAAT GAGAAACATTTGTAATCTCAACAATAAAAATCCTATTTTTATATTTAAAAAAAAAAAAAAAAAA

View online »

Restriction Sites:	RsrII-NotI
ACCN:	NM_181410
Insert Size:	930 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:	BC017515, AAH17515
RefSeq Size:	1815 bp
RefSeq ORF:	930 bp
Locus ID:	209357
UniProt ID:	Q8VD76
Cytogenetics:	5 63.67 cM
Gene Summary:	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]