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 MC203628

Gtf2i (NM_001080746) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2i (NM_001080746) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtf2i
Synonyms:	6030441I21Rik; BAP-135; Diws1t; GtfII-I; Spin; TFII-I; WBSCR6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC053044

GGAAAAAAAAGGAGGAGGAGGAGGGTGAGAGAGAAGCTGGGAGAGCAGAGAAAAGGGGGCACCGGCGGCC
CCCCCGCTTCCCTGCACGCGCTTGCCGCCCGCCTGCCGCGGTTATCCCTGGGCTTCGTCCCTGTTCCCCC
CCCCCCCCCCGGCGTCTGGCGACCCAGCGTGGAGCGAGGCCCCGCCGGGGGCGGCCATGCGGCGGTGACA
GGAGCACGGCCGAGACGCACGGGCCCCCCTCGCCCTCTCACCTCCACCCCGTTCGCCAGCTCGCCGAGGC
CCCTCCGGCCTACACTCGCTTGCTGTCCGCATCCCCCCCTCCCCGACCCTCCCCGGCTGCTCTTCGGGAA
TCATGGCCCAAGTAGTGATGTCTGCCTTGCCTGCCGAAGATGAAGAGTCTTCAGAGAGCAGGATGGTGGT
GACCTTCCTCATGTCTGCCCTGGAGTCCATGTGTAAAGAGCTGGCCAAGTCCAAGGCTGAGGTGGCCTGC
ATTGCTGTGTATGAGACCGACGTGTTTGTTGTTGGAACCGAAAGAGGGCGTGCTTTTGTCAATACCAGAA
AAGATTTCCAAAAAGACTTTGTGAAGTATTGTGTTGAAGAAGAAGAAAAGGCCGCCGAGATGCATAAGAT
GAAATCTACCACCCAGGCCAATCGGATGAGTGTGGATGCTGTAGAAATTGAAACACTCAGAAAAACGGTG
GAGGACTATTTCTGTTTTTGCTATGGGAAAGCTTTAGGCAAATCCACAGTGGTCCCTGTGCCATATGAGA
AGATGCTGCGCGACCAGTCGGCTGTGGTGGTGCAGGGGCTTCCCGAGGGGGTTGCCTTCAAGCACCCCGA
ACATTACGACCTCGCAACCTTGAAGTGGATTTTGGAGAACAAGGCAGGGATTTCCTTCATCATTAAGAGA
CCTTTCCTCGAGCCGAAGAAACACCTCGGTGGTCGAGTGCTGGCGGCCGAGGCTGAGAGGTCCATGCTGT
CTCCTAGTGGAAGTTGTGGCCCCATCAAAGTGAAAACTGAACCCACAGAAGATTCTGGCATTTCTCTGGA
AATGGCCGCTGTGACAGTGAAGGAGGAGTCAGAAGACCCTGATTACTATCAGTATAACATTCAAGGCCCT
TCTGAAACTGATGGTGTTGATGAAAAGCTCCCCCTTTCGAAGGCTTTGCAAGGAAGCCATCACTCCTCAG
AAGGCAACGAGGGAACGGAAGTGGAAGTGCCAGCAGAAGATTCTACTCAACATGTCCCTTCAGAAACCAG
TGAGGACCCCGAAGTTGAGGTGACCATTGAAGATGATGACTATTCTCCACCCACCAAGAGGCTAAAGAGC
ACGGAGCCGCCCCCGCCCCCGCCCGTCCCGGAGCCCGCCAACGCTGGCAAGCGCAAAGTGAGGGAGTTCA
ACTTTGAGAAATGGAACGCACGCATCACTGACCTACGGAAACAAGTTGAAGAGTTGTTCGAAAGAAAATA
TGCTCAAGCCATCAAAGCCAAAGGCCCGGTGACGATCCCGTACCCTCTTTTCCAGTCCCATGTTGAAGAT
CTTTACGTAGAAGGGCTTCCTGAAGGGATTCCTTTTAGAAGGCCGTCGACGTACGGCATTCCTCGCCTTG
AGAGGATATTGCTGGCGAAGGAAAGGATCCGCTTCGTGATTAAGAAACATGAGCTTCTGAACTCAACACG
AGAAGATTTACAGCTTGATAAACCAGCCTCAGGAGTGAAAGAAGAGTGGTACGCTCGCATCACCAAACTG
AGGAAGATGGTTGACCAGCTCTTCTGCAAGAAATTTGCCGAGGCCTTGGGAAGCACGGAAGCCAAGGCTG

View online »

TACCGTACCAAAAATTTGAGGCCCATCCCAATGATCTCTATGTGGAAGGACTTCCAGAAAACATTCCTTT
CCGAAGCCCCTCGTGGTATGGAATCCCAAGACTGGAAAAAATCATCCAAGTGGGCAATCGAATTAAATTT
GTTATCAAGAGACCAGAGCTGCTCACTCACAGCACAACTGAAGTGACTCAGCCACGGACAAACACACCAG
TCAAAGAAGATTGGAATGTCAGAATCACCAAGCTCCGAAAGCAAGTGGAAGAGATCTTTAATTTGAAGTT
TGCTCAGGCTCTGGGCCTCACAGAGGCTGTGAAGGTGCCATATCCTGTGTTCGAATCCAACCCGGAGTTT
CTGTATGTGGAAGGGCTCCCCGAAGGGATCCCCTTCCGAAGCCCTACCTGGTTTGGGATTCCACGCCTCG
AGAGGATTGTCCGTGGCAGCAATAAGATCAAGTTTGTTGTTAAAAAGCCTGAGCTAGTTGTGTCCTATTT
GCCTCCTGGGATGGCTAGCAAAATCAACACTAAAGCATTGCAGTCCCCAAAACGACCACGAAGCCCTGGG
AGCAACTCCAAGGTTCCTGAAATTGAGGTCACTGTGGAAGGCCCCAACAACAGCAGTCCTCAGACCTCTG
CGGTTCGAACTCCTACCCAGACCAATGGTTCAAATGTTCCCTTCAAGCCTCGAGGGAGAGAGTTTTCCTT
TGAGGCCTGGAATGCTAAGATCACAGACCTGAAGCAGAAAGTGGAGAACCTCTTCAATGAAAAGTGCGGG
GAAGCGCTTGGCCTTAAGCAGGCTGTGAAAGTCCCGTTTGCGTTGTTCGAGTCCTTCCCAGAAGACTTCT
ATGTGGAAGGCTTGCCCGAGGGGGTGCCCTTCCGAAGGCCGTCCACATTTGGCATTCCCAGGCTGGAGAA
GATACTCCGGAACAAGGCCAAGATAAAGTTCATCATTAAAAAACCTGAGATGTTCGAGACGGCCATCAAA
GAGAGCACCTCTTCCAAAAGCCCTCCAAGAAAGATAAACTCATCACCCAACGTTAATACTACTGCATCAG
GTGTGGAAGACCTGAACATCATCCAGGTGACAATTCCAGATGACGATAATGAACGACTGTCCAAAGTTGA
AAAGGCCAGGCAGCTGCGGGAGCAGGTCAACGACCTCTTCAGTCGGAAGTTTGGTGAAGCTATTGGGATG
GGCTTCCCGGTGAAGGTCCCCTACAGGAAGATCACCATCAACCCTGGCTGCGTGGTGGTCGATGGCATGC
CCCCCGGGGTGTCCTTCAAAGCCCCCAGTTACCTGGAGATCAGCTCCATGAGGAGGATCTTAGACTCTGC
GGAGTTTATCAAGTTCACTGTCATTAGACCATTTCCAGGACTTGTGATTAATAACCAGCTGGTTGATCAG
AACGAGTCTGAAGGCCCTGTGATACAAGAATCAGCCGAGGCAAGCCAGTTGGAAGTCCCAGTAACAGAAG
AAATTAAAGAGACAGATGGGAGTTCACAGATCAAGCAGGAGCCAGACCCCACGTGGTAGACCGTGGCTCT
CCAGGTTCGTCCAGTGTCCAGCGTGCGTGGTGGAGAAGAGCTTTGGGACCCGTTCCTGCCAGCTCTGTAA
TATACTTGTATAACAGAAATACCTTCTATACAAACCTTCTTTTCTACTTTTAGATAGAAATGTCTACTTT
CTCAGCAGTTCTGTGAATTGAGCTACACAGCGTGATGAGATGCGCGTGCCTGGTGGCTTGGGAACGCACT
AGAAGGGTCTTGCAGCAGTGCTGAAAGAGGCGGGAATGGCAGGGACGACTCGTAGGGTTTCTTATGCATC
GGGCAGAGCCTTGGGCTGTGGTGCGTGTTCCCGTCAGTGAGATATTCCTACAGGGCATCTTGGCTTCCGC
AGCAAAGGAAGTCCCTGTGCTAGTCAGTGCTTTAGTTTTTCTATTGAAGACCAGTTCCGTGGTCTTGCAC
TCGGCTGCCCCTCCTGCCAGGGGAGGGCTGCTGTCTGTGTGTGTGACTAAGCCTCTTCCCAAGCTCCATC
ACGATTCCTTTGTCCTCACTGCCATTCAGAGCAAAGCCGGCCAGCTCGCCTGACCGCCAGTGAGCAGCCA
GTGCATCCGTGCAGTGCAGCTGGAGAGGCTAGCCTCAGAGCCTCGCTCCGGTTACTTTACAGCAAGTAGA
TTTCTGGGTGTGTCCTAAAGGTCAGAGGTCAGGTCTGCATGCTTGAGCAGGTGGAGGATTTGCCCCTCCC
CAACTGGGACCCACAGTGGCCTCAGGGGCTCTGGGCCGCAGCTCTGGGTCTGGGTCGAGTCAGGCTGGGC
TGTGTGTCTGCCTGGTTGGTTAGTCTCTAACCACCTGTCTGGCCTCTGCGCCAGGGTGGGGAGTGAGGAC
ATTGGTGTCCCGCCCTATGTGGGGGCTCACAGACGATGATAAGGTAACAGCTCTCAGCAGTTAGGCACGT
GAGGGCACGGTTCTCGGTAGTCACCACAATGTTCACAATGGGAAATTATATCACACGGTAGCAGAGATAG
GCATTTTATGTGTTCCTTATATTTTACCTCAAATTGTAGATATAGGGTAATAAATAAAATCCATCCATGC
CTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_001080746

Insert Size: 2997 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:	BC053044, AAH53044
RefSeq Size:	4461 bp
RefSeq ORF:	2997 bp
Locus ID:	14886
UniProt ID:	Q9ESZ8
Cytogenetics:	5 74.48 cM
Gene Summary:	Interacts with the basal transcription machinery by coordinating the formation of a multiprotein complex at the C-FOS promoter, and linking specific signal responsive activator complexes. Promotes the formation of stable high-order complexes of SRF and PHOX1 and interacts cooperatively with PHOX1 to promote serum-inducible transcription of a reporter gene deriven by the C-FOS serum response element (SRE). Acts as a coregulator for USF1 by binding independently two promoter elements, a pyrimidine-rich initiator (Inr) and an upstream E-box (By similarity). Required for the formation of functional ARID3A DNA-binding complexes and for activation of immunoglobulin heavy-chain transcription upon B-lymphocyte activation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also known as Gamma).