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 MC223352

Gtf2ird1 (NM_001081465) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2ird1 (NM_001081465) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtf2ird1
Synonyms:	1700012P16Rik; BEN; Cream1; ESTM9; Gtf2il; GTF3; MusTRD1; Tg(Alb1-Myc)166.8Sst; WBSCR11; X83320
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223352 representing NM_001081465 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTTGCTGGGGAAGCACTGTGACATCCCCACCAACGGCTGTGGGTCTGAGCGCTGGAACTCCACCT TCGCCCGCAAGGACGAACTCATCAACAGTCTGGTGTCCGCCTTAGACTCCATGTGCTCGGCGCTCTCCAA GCTGAACACGGAGGTGGCCTGCGTGGCGGTACACAATGAGAGCGTCTTCGTGATGGGCACCGAGAAGGGA AGGGTGTTTCTGAACACTCGGAAGGAGCTACAGTCAGACTTCCTCAGGTTCTGCCGGGGACCCCTGTGGA ACGATCCAGAAGCAGGACACCCTAAAAAGGTGCAGCGCTGTGAAGGCGGTGGCCGGAGCCTCCCGCGGTC CTCTCTGGAGCAGTGCTCGGATGTGTACCTGCTGCAGAAGATGGTAGAGGAAGTGTTTGATGTTCTTTAT AGTGAGGCTATGGGCAGGGCCACCGTGGTACCTTTGCCCTATGAGAGGCTGCTCAGGGAGCCGGGGCTAC TGGCGGTGCAGGGGCTGCCCGAGGGCCTGGCCTTCCGGAGGCCAGCAGAGTATGACCCCAAGGCACTCAT GGCCATATTGGAGCACAGTCACCGAATTCGGTTTAAGCTCAGGAGGCCTCCTGATGACGGTGGGCAGGAC ACGAAGGCGCTGGTGGAGATGAACGGTATCTCTCTGCTACCCAAGGGGTCCCGAGACTGTGGTCTGCATG GCCAGGCCTCCAAGGTCGCTCCCCAAGACCTGACCCCCACCGCCACCCCATCCTCTATGGCCAACTTCCT GTACAGCACTTCGATGCCCAACCACACGATCCGGGAACTCAAGCAGGAGGTGCCAACCTGCCCGTTGACC CCCAGCGACCTGGGCATGGGCTGGCCCGTGCCTGAGCCCCATGTCCCCAGCACCCAAGATTTCTCTGATT GCTGTGGACAGACGCCTGCAGGGCCTGCTGGGCCTCTCATCCAGAATGTCCATGCTTCCAAGCGCATCCT CTTCTCCATCGTCCATGACAAGTCAGAGAAGTGGGATCCCTTCATCAAGGAAATGGAGGACATCAATACC CTGCGGGAGTGCGTGCAGATTCTGTTTAACAGCAGATACGCGGAAGCCCTGGGCCTGGACCACATGGTCC CTGTGCCCTATAGGAAGATTGCCTGTGACCCCGAGGCTGTGGAAATTGTGGGTATTCCAGACAAGATCCC CTTCAAGCGACCCTGTACTTACGGAGTGCCGAAGCTGAAGAGGATTCTGGAGGAGCGACACAGCATTCAC TTCATTATCAAGAGAATGTTCGATGAGCGCATTTTCACAGGGAACAAGTTTACCAAAGACCCCATGAAGC TGGAGCCAGCTAGCCCACCAGAAGACACTTCCACAGAAGTCTGTAGGGACAGCATGCTGGACCTGGCTGG GACTGCTTGGTCAGACATGAGCAGCGTCTCTGAAGACTGTGGGCCAGGAACCTCAGGAGAGATAGCAATG

View online »

TTGAGGCCTATCAAAATCGAGCCAGAGGAGCTGGACATTATTCAGGTTACGGTCTCAGATCCTTCACCTA
CCTCTGAGGAGATGACTGACTCGTTACCTGGGCATCTGCCCTCAGAGGATTCCGGTTATGGGATGGAAAT
GCCGGCTGACAAAGGCCCCAGTGAAGAACCGTGGTCAGAAGAGAGGCCGGCCGAAGAGAGCCCTGGTGAC
GTGATCCGGCCCCTACGGAAGCAGGTGGAGATGCTGTTCAACACGAAATATGCCAAAGCTATTGGTACCT
CAGAGCCGGTCAAGGTGCCCTACTCCAAGTTCCTGATGCACCCGGAGGAGCTGTTCGTACTGGGACTGCC
TGAAGGCATCTCTCTTCGGAGACCCAACTGCTTTGGGATTGCAAAGCTGCGGAAGATTCTGGAAGCGAGC
AACAGCATCCAGTTTGTCATCAAGAGACCCGAACTGCTCACTGACGGTGTCAAAGAACCTGTTCTGGACA
CTCAAGAGAGGGACTCCTGGGACCGTCTTGTGGACGAGACCCCGAAGAGACAGGGCCTTCAAGAAAATTA
CAACACCAGACTCTCGCGGATCGACATCGCCAACACGCTTAGGGAACAAGTCCAAGACCTGTTTAACAAG
AAATACGGTGAAGCTCTGGGCATCAAATACCCAGTGCAGGTGCCCTACAAGAGAATCAAAAGCAACCCAG
GCTCGGTAATCATTGAAGGCCTACCCCCCGGGATCCCATTCCGCAAACCCTGCACCTTTGGCTCCCAGAA
CCTGGAAAGGATTCTCTCTGTGGCTGACAAGATCAAGTTCACGGTCACCAGGCCATTCCAAGGACTTATC
CCAAAGCCTGATGAGGATGATGCCAACAGACTGGGGGAGAAGGTGATCCTCCGAGAGCAGGTGAAGGAGC
TCTTCAATGAGAAATACGGTGAGGCCCTGGGACTGAATCGGCCTGTGCTGGTCCCTTACAAACTGATCCG
GGACAGCCCAGATGCCGTGGAGGTGAAGGGCCTCCCAGATGACATCCCCTTCCGGAACCCCAACACCTAT
GACATCCATCGGCTGGAGAAGATCCTGAAGGCCAGGGAGCATGTGCGGATGGTCATCATCAACCAGCTCC
AACCCTTTGCGGAAGTCTGCAATGACCCCAAGGTGCCAGAGGAGGATGACTCTAACAAGCTCGGGAAGAA
GGTGATCCTCCGAGAGCAGGTGAAGGAGCTCTTCAATGAGAAATACGGTGAGGCCCTGGGACTGAATCGG
CCTGTGCTGGTCCCTTACAAACTGATCCGGGACAGCCCAGATGCCGTGGAGGTGAAGGGCCTCCCAGATG
ACATCCCCTTCCGGAACCCCAACACCTATGACATCCATCGGCTGGAGAAGATCCTGAAGGCCAGGGAGCA
TGTGCGGATGGTCATCATCAACCAGCTCCAACCTTTTGGGGACGTCTGCAACAATGCCAAGGTGCCAGCC
AAAGACAACATTCCCAAGCGCAAGAGAAAGAGGGTCTCTGAAGGCAACTCAGTCTCCTCTTCTTCCTCCT
CTTCATCTTCGTCCTCTAACCCAGAGTCTGTGGCATCCACCAACCAGATCTCCCTCGTGCAGTGGCCAGT
GTACATGGTGGACTATTCCGGACTAAACGTGCAGCTTCCGGGCCCCCTTGATTATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081465

Insert Size: 3138 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_001081465.1, NP_001074934.1

RefSeq Size: 3480 bp

RefSeq ORF:	3138 bp
Locus ID:	57080
Cytogenetics:	5 74.55 cM
Gene Summary:	May be a transcription regulator involved in cell-cycle progression and skeletal muscle differentiation. May repress GTF2I transcriptional functions, by preventing its nuclear residency, or by inhibiting its transcriptional activation. May contribute to slow-twitch fiber type specificity during myogenesis and in regenerating muscles. Binds troponin I slow-muscle fiber enhancer (USE B1). Binds specifically and with high affinity to the EFG sequences derived from the early enhancer of HOXC8.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (5) differs in the 5' UTR and lacks an in-frame coding exon, as compared to variant 1. The encoded isoform (d) lacks an internal segment, as compared to isoform a.