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Product datasheet for MC223238

Gtf2ird1 (NM_001081466) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2ird1 (NM_001081466) 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:	>MC223238 representing NM_001081466 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

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TTGAGGCCTATCAAAATCGAGCCAGAGGAGCTGGACATTATTCAGGTTACGGTCTCAGATCCTTCACCTA
CCTCTGAGGAGATGACTGACTCGTTACCTGGGCATCTGCCCTCAGAGGATTCCGGTTATGGGATGGAAAT
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GGCCTCCCAGATGACATCCCCTTCCGGAACCCCAACACCTATGACATCCATCGGCTGGAGAAGATCCTGA
AGGCCAGGGAGCATGTGCGGATGGTCATCATCAACCAGCTCCAACCTTTTGGGGACGTCTGCAACAATGC
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TCTTCTTCCTCCTCTTCATCTTCGTCCTCTAACCCAGAGTCTGTGGCATCCACCAACCAGATCTCCCTCG
TGCAGTGGCCAGTGTACATGGTGGACTATTCCGGACTAAACGTGCAGCTTCCGGGCCCCCTTGATTATTA
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081466

Insert Size: 3081 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_001081466.2, NP_001074935.1

RefSeq Size: 3480 bp

RefSeq ORF:	3081 bp
Locus ID:	57080
UniProt ID:	Q9JI57
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 (6) lacks two in-frame exons in the coding region, as compared to variant 1. The encoded isoform (e) lacks two segments, as compared to isoform a.