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Product datasheet for MC222874

Gtf2ird1 (NM_001081469) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2ird1 (NM_001081469) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtf2ird1
Synonyms:	1700012P16Rik; BEN; Cream1; ESTM9; Gtf2il; GTF3; MusTRD1; Tg(Alb1-Myc)166.8Sst; WBSCR11; X83320
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC222874 representing NM_001081469
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
TTGAGGCCTATCAAAATCGAGCCAGAGGAGCTGGACATTATTCAGGTTACGGTCTCAGATCCTTCACCTA
CCTCTGAGGAGATGACTGACTCGTTACCTGGGCATCTGCCCTCAGAGGATTCCGGTTATGGGATGGAAAT
GCCGGCTGACAAAGGCCCCAGTGAAGAACCGTGGTCAGAAGAGAGGCCGGCCGAAGAGAGCCCTGGTGAC
GTGATCCGGCCCCTACGGAAGCAGGTGGAGATGCTGTTCAACACGAAATATGCCAAAGCTATTGGTACCT
CAGAGCCGGTCAAGGTGCCCTACTCCAAGTTCCTGATGCACCCGGAGGAGCTGTTCGTACTGGGACTGCC
TGAAGGCATCTCTCTTCGGAGACCCAACTGCTTTGGGATTGCAAAGCTGCGGAAGATTCTGGAAGCGAGC
AACAGCATCCAGTTTGTCATCAAGAGACCCGAACTGCTCACTGACGGTGTCAAAGAACCTGTTCTGGACA
CTCAAGAGAGGGACTCCTGGGACCGTCTTGTGGACGAGACCCCGAAGAGACAGGGCCTTCAAGAAAATTA
CAACACCAGACTCTCGCGGATCGACATCGCCAACACGCTTAGGGAACAAGTCCAAGACCTGTTTAACAAG
AAATACGGTGAAGCTCTGGGCATCAAATACCCAGTGCAGGTGCCCTACAAGAGAATCAAAAGCAACCCAG
GCTCGGTAATCATTGAAGGCCTACCCCCCGGGATCCCATTCCGCAAACCCTGCACCTTTGGCTCCCAGAA
CCTGGAAAGGATTCTCTCTGTGGCTGACAAGATCAAGTTCACGGTCACCAGGCCATTCCAAGGACTTATC
CCAAAGCCTGAAACCAAAATTCTCACTACAGGACATGAAGCTGGGAAAACCACCAGACCAAGGAGACTGC
AACAGGACACCTGGCAGCCAGATGAGGATGATGCCAACAGACTGGGGGAGAAGGTGATCCTCCGAGAGCA
GGTGAAGGAGCTCTTCAATGAGAAATACGGTGAGGCCCTGGGACTGAATCGGCCTGTGCTGGTCCCTTAC
AAACTGATCCGGGACAGCCCAGATGCCGTGGAGGTGAAGGGCCTCCCAGATGACATCCCCTTCCGGAACC
CCAACACCTATGACATCCATCGGCTGGAGAAGATCCTGAAGGCCAGGGAGCATGTGCGGATGGTCATCAT
CAACCAGCTCCAACCTTTTGGGGACGTCTGCAACAATGCCAAGGTGCCAGCCAAAGACAACATTCCCAAG
CGCAAGAGAAAGAGGGTCTCTGAAGGCAACTCAGTCTCCTCTTCTTCCTCCTCTTCATCTTCGTCCTCTA
ACCCAGAGTCTGTGGCATCCACCAACCAGATCTCCCTCGTGCAGTGGCCAGTGTACATGGTGGACTATTC
CGGACTAAACGTGCAGCTTCCGGGCCCCCTTGATTATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001081469
Insert Size:	2910 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_001081469.2, NP_001074938.1
RefSeq Size:	3309 bp
RefSeq ORF:	2910 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 (9) lacks three exons in the 3' coding region but maintains the reading frame, as compared to variant 1. The encoded isoform (h) lacks an internal segment, as compared to isoform a.