

Product datasheet for **MC222905**

Gtf2ird1 (NM_001081468) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2ird1 (NM_001081468) 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:

>MC222905 representing NM_001081468

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTTGTGGGAAGCACTGTGACATCCCCACCAACGGCTGTGGGTCTGAGCGCTGGAACCTCCACCT
 TCGCCCGCAAGGACGAACTCATCAACAGTCTGGTGTCCGCCTTAGACTCCATGTGCTCGGCCTCTCCAA
 GCTGAACACGGAGGTGGCCTGCGTGGCGGTACACAATGAGAGCGTCTTCGTGATGGGCACCGAGAAGGGA
 AGGGTGTCTTGAACACTCGGAAGGAGCTACAGTCAAGTCTCAGGTTCTGCCGGGACCCCTGTGGA
 ACGATCCAGAAGCAGGACACCCTAAAAAGGTGCAGCGTGTGAAGGCGGTGGCCGGAGCCTCCCGCGGTC
 CTCTCTGGAGCAGTGTGCGATGTGTACCTGCTGCAGAAGATGGTAGAGGAAGTGTGATGTTCTTTAT
 AGTGAGGCTATGGGCAGGGCCACCGTGGTACCTTTGCCCTATGAGAGGCTGCTCAGGAGCCGGGCTAC
 TGGCGGTGCAGGGCTGCCCGAGGGCTGGCCTCCGGAGGCCAGCAGAGTATGACCCCAAGGCACTCAT
 GGCCATATTGGAGCACAGTCAACGAATTCGGTTAAGCTCAGGAGCCTCCTGATGACGGTGGCCAGGAC
 ACGAAGGCGCTGGTGGAGATGAACGGTATCTCTCTGCTACCCAAGGGGTCCCGAGACTGTGGTCTGCATG
 GCCAGGCCTCAAGTTCGCTCCCAAGACCTGACCCCAACCGCCACCCCATCCTCTATGGCCAATTCTCT
 GTACAGCACTTCGATGCCCAACACACGATCCGGGAACCAAGCAGGAGGTGCCAACCTGCCCGTTGACC
 CCCAGCGACCTGGGCATGGGCTGGCCCGTGCCTGAGCCCCATGTCCCAGCACCCAAGATTTCTCTGATT
 GCTGTGGACAGACGCCTGCAGGGCTGCTGGGCCTCTCATCCAGAATGTCATGCTTCCAAGCGCATCCT
 CTTCTCCATCGTCCATGACAAGTCAAGAAAGTGGGATCCCTTCAAGGAAATGGAGGACATCAATACC
 CTGCGGGAGTGCAGATTCTGTTAACAGCAGATACGCGGAAGCCCTGGGCCTGGACCACATGGTCC
 CTGTCCCTATAGGAAGATTGCCTGTGACCCGAGGCTGTGAAATTTGGGTATTCCAGACAAGATCCC
 CTTCAAGCGACCTGTACTTACGGAGTGCCGAAGCTGAAGAGGATTCTGGAGGAGCGACACAGCATTAC
 TTCATTATCAAGAGAATGTTGATGAGCGCATTTTACAGGGAACAAGTTTACCAAGACCCCATGAAGC
 TGGAGCCAGTAGCCACCAGAAGACACTTCCACAGAAGTCTGTAGGACAGCATGCTGGACCTGGCTGG
 GACTGCTTGGTACAGATGAGCAGCGTCTCTGAAGACTGTGGCCAGGAACCTCAGGAGAGATAGCAATG
 TTGAGGCCTATCAAAATCGAGCCAGAGGAGCTGGACATTTTACAGGTTACGGTCTCAGATCCTTACCTA
 CCTCTGAGGAGATGACTGACTCGTTACCTGGGCATCTGCCCTCAGAGGATTCGGTTATGGGATGGAAT
 GCCGGTGCACAAAGGCCCAAGTGAAGAACCCTGGTGCAGAGAGAGCCGGCCGAAGAGAGCCCTGGTGAC
 GTGATCCGGCCCTACGGAAGCAGGTGGAGATGCTGTTCAACACGAAATATGCCAAAGCTATTGGTACCT
 CAGAGCCGGTCAAGGTGCCCTACTCCAAGTTCTGATGCACCCGAGGAGCTGTTGCTACTGGGACTGCC
 TGAAGGCATCTCTCTTCCGAGACCCAAGTCTTTGGGATTGCAAAGCTGCGGAAGATTCTGGAAGCGAGC
 AACAGCATCCAGTTTGTATCAAGAGACCCGAAGTCTCACTGACGGTGTCAAAGAACCTGTTCTGGACA
 CTCAAGAGAGGGACTCCTGGGACCGTCTTGTGGACGAGACCCGAAGAGACAGGGCCTTCAAGAAAATTA
 CAACACCAGACTCTCGGGATCGACATCGCAACACGCTTAGGGAACAAGTCCAAGACCTGTTTAAACAAG
 AAATACGATGAGGATGATGCCAACAGACTGGGGGAGAAGGTGATCCTCCGAGAGCAGGTGAAGGAGCTCT
 TCAATGAGAAAACGGTGAAGCCCTGGGACTGAATCGGCCTGTGCTGGTCCCTTACAAACTGATCCGGGA
 CAGCCCAGATGCCGTGGAGGTGAAGGGCTCCAGATGACATCCCCTTCCGGAACCCCAACACCTATGAC
 ATCCATCGGCTGGAGAAGATCCTGAAGGCCAGGGAGCATGTGCGGATGGTATCATCAACCAGCTCCAAC
 CCTTTGCGGAAGTCTGCAATGACCCCAAGTGCCAGAGGAGGATGACTCTAACAAGCTCGGAAGAAGGT
 GATCCTCCGAGAGCAGGTGAAGGAGCTTCAATGAGAAAACGGTGAAGGCCCTGGGACTGAATCGGCCT
 GTGCTGGTCCCTTACAACTGATCCGGGACAGCCAGATGCCGTGGAGGTGAAGGGCCTCCAGATGACA
 TCCCTTCCGGAACCCCAACACCTATGACATCCATCGGCTGGAGAAGATCCTGAAGGCCAGGAGCATGT
 GCGGATGGTATCATCAACCAGCTCAACCTTTGGGGACGTCTGCAACAATGCCAAGGTGCCAGCCAAA
 GACAACATTTCCCAAGCGCAAGAGAAAGAGGGTCTCTGAAGGCAACTCAGTCTCCTCTTCTCCTCCTCTT
 CATCTTCTCCTTAACCCAGAGTCTGTGGCATCCACCAACCAGATCTCCCTCGTGCAGTGGCCAGTGTA
 CATGGTGGACTATTCCGACTAAACGTGCAGCTTCCGGGCCCTTGATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081468
Insert Size:	2925 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:	<ol style="list-style-type: none"> 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:	<u>NM_001081468.2</u> , <u>NP_001074937.1</u>
RefSeq Size:	3324 bp
RefSeq ORF:	2925 bp
Locus ID:	57080
Cytogenetics:	5 74.55 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (8) lacks three exons in the 3' coding region but maintains the reading frame, as compared to variant 1. The encoded isoform (g) lacks an internal segment, as compared to isoform a.</p>