

Product datasheet for **MG211726**

Nrip1 (NM_173440) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrip1 (NM_173440) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nrip1
Synonyms:	6030458L20Rik; 8430438I05Rik; 9630050P12; AA959574; AW456757; RIP140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211726 representing NM_173440 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGACTCATGGAGAAGAGCTTGGCTCTGATGTGCATCAGGATTCTATTGTCTTAACCTACCTCGAAGGGT
TACTAATGCATCAGGCAGCAGGGGATCAGGCACTGCCATTAACAAAAAGTCTGCTGGCCACAAAGAGGA
AGACCAGAACTTTAACCTCTCGGGCAGTGCCTTCCCTCTGTCAAAGCAATGGTCCCCTGTCAGTACC
CAGACGTACCAGGGATCTGGCATGCTGCACCTCAAAAAAGCCAGACTGCTGCAGTCTTCCGAGGACTGGA
ACGCGCAAAGCGGAAGAGGCTGTCTGATTCCATCGTGAATTTAAACGTAAGAAGGAAGCGTTGCTGGC
TGGCATGGTTGACAGTGTGCCTAAAGGCAAACAGGATAGCACATTGCTGGCCTCTTTGCTTCAGTCAATC
AGCTCTAGGCTGCAGACTGTTGCTCTGTACAGCAGATTAGACAGAGCCTCAAGGAGCAGGGATATGCC
TCAGTCACGAGTCTTTAAAAGTGGAGAAGGATTTAAGGTGCTATGGCGTGGCCTCAAGTCACTTAAAAAC
TCTGTTGAAGAAAAGTAAAACCAAGGATCAAAAAGTCAGGTCACCCCTCCCTGACGTGACTCCAAACCTT
ATCAGAGATAGCTTTGTTGAGTCATCCCATCCCGCAGTGGGACAAAGTGGGACAAAGGTCATGAGTGAGC
CCTTGTCATGTGCTGCAAGATTACAGGCTGTTGCCAGCATGGTGGAGAAAAGGGCAGTCCCCTGCCTC
CCCAAAGCCTAGTGTTCCTGCAGCCAGTTGGCGCTGCTCCTGTCCAGCGAGGCCACCTGCAGCAGTAC
TCTCGGAACATGCTCTAAAACGCAGAACGCACATCAGGTGGCAAGCGAAAGACTTGCAGCCATGGCCA
GATTGCAAGAGAATGGGCAGAAGGACGTGGGCAGTTCGCAGCTCTCAAAGGGGTGTCTGGCCATCTCAA
CGGGCAGGCCAGAGCACTGCCGCAAGCAAAGTGGTGGCCAACAAGAATAACGCTGCCACCTTTTCAGAGT
CCAATGGGTGTTGCTCCCTCCTCCCCAAAAACAGAGCTATAAGAAGTCACTGGAAAGAAAACACCTAA
AGCAGGCTGCTAATAACAGTCTGCTTTTGCATCTCCTCAAAGCCAGACCATACCCACGCCGATGAACGG
GCACAGCCAGAACGAGAGAGCGAGCAGTTTTGAGAGTAGCACGCCACCACGATTGATGAGTACTCCGAT
AACACCCGAGCTTTACAGATGACAGCAGTGGAGACGAAAGCTCGTACTCCAATTGCGTTCCCATAGACC
TGCTTTGCAAACCCGGATCGAAAAGCCGGAAGCTGAGCGGCCGTTTCGCTGGAGAACCTAACCCAGTC
CTTGTTAAACACGTGGGATCCCAAGATCCCGCGTGTGACATCAAAGAAGATCAAGATACCTCAACAAAT



[View online »](#)

TCCAAGCTGAATTCACACCAGAAAGTCACTCTTCTTCAGTTGCTGCTCGGCCATAAAAAGTGAAGAACTG
TTGAAAGGAACGCCAGCCCTCAGGACATCCATAGTGATGGGACTAAGTTCAGTCCTCAGAATTACACAAG
GACTTCTGTATCGAAAGCCCCAGTACCAACAGGACTACCCAGTGAGCACTCCACCCTGTATACAGCC
AGCCAAGCAGAGTCTCCCATCAATCTTCCAGCACTCTCTGGTCATCAAGTGAATCCCCGCCGATG
CCTGCAGTACTCCCGCTTCCAAGCTCACGAACCCGCGCTAGCCACCTGATGGACCTCACGAAAGGCAA
AGAGTCCCAAGCCGAGAAACCAGCCCCGAGTGAAGGTGCACAAAATTCGCCACGTTTCAGTGCCAGTAAA
CTGTTACAAAATTTGGCTCAGTGCAGTTCAGTCTTCCGGGCCAGGGGAAGAGCAGAGACCCTGCAAA
AGCTGTTAAGTGGAAACCCAGACAAAACCTCTCGGTCTGATTGATAGATTAACAGCCCTCTGCTCTCAA
TAAAACCAATGCGGCTGAAGAGAGCAAAGCCTTCAGCAGTCAGCCTGCCGGCCTGAGCCGGGACTTCT
GGTTGTGAGATAGAAAATCTCTTGAAAGACGGACTGTCTTCAGTTGCTCTGGGAAAATTCAGCAAAG
GGAAGAATGAGAAGAAAGAGAAAACCCCGCACGAGACGAGGCTCCTCAGGAGCATTGAGAGAGGGCTGC
AAATGAACAGATACTCATGGTGAAGATTAATCCGAGCCTTGTGACGACTCCAGACCCACAACACAAC
CTGCCCTAAACCACGATGCCAAGAGCGCCCTTCTTAGGTGTGACTCCCGCCATCCACAGGAGCACAG
CGCCCTACCAGTGTGGAGGACTTTAAATCCGAGCCTGCTTACCTCAGGATTTCTTCTCTCAAAGAA
CGGGCTGTTGAGTCGCTTCTGAGACAGAATCAAGAGAGTTACCCGGCAGATGAGCAGGACAAGAGTCA
AGAAACAGTGAGCTGCCAACCTGGAGTCGAAGAACATCTGCATGGTCCCGAAGAAAAGGAGCTGTATA
CGGAACCACTGGAGAATCCATTTAAAAAGATGAAAAATACTGCCGTAGATACTGCCAATCATCACAGCG
CCCGGAAGTACTCTACGGGTGCTTGTTCATCAGGAAGAGCTGAAGTTTAGCAGGAATGAGCTCGATTAT
AAATACCCTGCTGGGCATAGTTCAGCCAGCGATGGTGACCACAGGAGTTGGGCCAGAGAGCAAAAAGCT
TCAATGTTCTCAAGCAGCTGCTGCTCTCCGAGAAGTGTGTGCGAGATCTGTCCCCACACAGGAGTGACTC
TGTCGCCGACACGAAAAAGAAAGGACAAAAACAACGCGCCCGGAGCAAACTGAATTCGGCATTCT
TCTTTAAATGGACTGATGTATAGTTCCTCCGAGCCTGGCAGTTGTGTGACGGATCATAGGACATTTTCAT
ACCCGGGAATGGTAAAGACCCCTCTGAGCCCTCCTTTCCAGAGCACTTGGGCTGTGTTGGGTCAGACC
AGAACCTGGGCTTTTGAATGGATGTTCCGTGCCGGTGAGAAGGACCCATTAAGTGGGTATCGCAGAT
ATGGATAAGAATGAATACGAAAAAGACTCTCAAGACTGACCAAACTAATCCGATCCTCTATTACATGC
TCCAGAAGGGAGGGGCAATTCTGTTACCACACAAGAAACCCAGGACAAAGACATCTGGAGGGAGCCTGC
GTCAGCCGAGAGTCTCTCACAGTTACAGTCAAAGAAGAGCTACTTCCCGCTGCAGAACTAAAGCTTCT
TTCTTTAATCTAAGAAGCCGTACAATAGCCATATGGGAATAATGCTTCTGCCACACAGTACAAATG
GAGAAGTGTATGGACTTCTGGGAAACGCGCTCACCATAAAAAAAGAGTCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211726 representing NM_173440
Red=Cloning site Green=Tags(s)

MTHGEEELGSDVHQDSIVLTYLEGLLMHQAAGGSGTAINKKSAGHKEEDQNFNLGSAFPSCQSNQPTVST
 QTYQGSMLHLKARLLQSSDWNAAKRKRLSDSIVNLNVKKEALLAGMVDSVPKQKQDSTLLASLLQSF
 SSRLQTVALSQQIRQSLKEQGYALSHESLKVEKDLRCYGVASSHLKTLKSKTKDKQKSGPTLPDVTPNL
 IRDSFVESSHPAVQSGTKVMSEPLSCAARLQAVASMVEKRASPAASPKPSVACSQLALLSSEAHLQQY
 SREHALKTQNAHQVASERLAAMARLQENGQKDVGSSQLSKGVSGHLNGQARALPASKLVANKNNAATFQS
 PMGVVPSSPKNTSYKNSLERNLKAANNLHLLHLLKSQTIPTPMNGHSQNERASSFESSTPTTIDEYS
 NNPSFTDDSSGDESSYNCVPIIDLCKHRIEKPEAERPVSLENLTQSLNLTWDPKIPGVDIKEDQDTSTN
 SKLNSHQKVTLLQLLGHKSEETVERNASPQDIHSDGTFSPQNYTRTSVIESPSTNRTTPVSTPPLYTA
 SQAESPINLSQHSLVIKWNPPYACSTPASKLTNTAPSHLMDLTKGKESQAEKPAPSEGAQNSATFSASK
 LLQNLAQCGLQSSGPGEEQRPCKQLLGNPDKPLGLIDRLNSPLL SNKTNAEESKAFSSQAPGPEPLP
 GCEIENLLERRTVLQLLGNSSKGKNEKKEKTPARDEAPQEHSEAAEQILMVKIKSEPCDDFQTHNTN
 LPLNHDAKSAPFLGVTPAIHRSTAALPVSEDFKSEPA SPQDF SF SKNGLLSRLLRQNQESYPADEQDKSH
 RNSELPTELESKNICMVPKRRKLYTEPLENPFKMKMNTAVDTANHHSGPEVLYGSLHQEELKF SRNELDY
 KYPAGHSSASDGDHRWARESKSFNVLKQLLSENCVRDLSPHRSDSVPDTKKKGHKNNAPGSKPEFGIS
 SLNGLMYSSPQPGSCVTDHRTFSYPGMVKTPSPFPPEHLGCVGSRPEPGLLNGCSVPGEKGPVKWVIAD
 MDKNEYEKDSPRLTKTNPILYYMLQKGGGNSVTTQETQDKDIWREPASAESLSQVTVKEELLPAETKAS
 FFNLRSYPYNSHMGNNASRPHSTNGEVYGLLGNALTIKKESE

TRTRPLE - GFP Tag - V

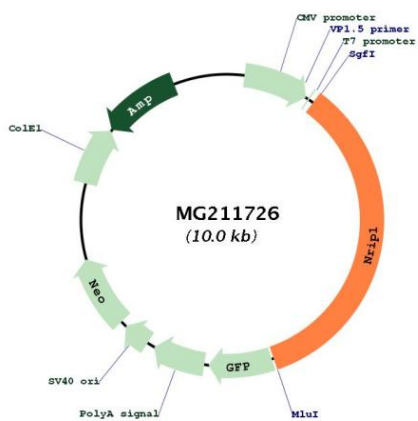
Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_173440
ORF Size: 3483 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_173440.3
RefSeq Size:	4529 bp
RefSeq ORF:	3486 bp
Locus ID:	268903
UniProt ID:	Q8CBD1
Cytogenetics:	16 C3.1
Gene Summary:	Modulates transcriptional repression by nuclear hormone receptors such as NR2C1, thyroid hormone receptor and retinoic acid receptor/RARA. Essential for cumulus expansion and follicle rupture during ovulation. Also controls the balance between fat accumulation and energy expenditure. Positive regulator of the circadian clock gene expression: stimulates transcription of ARNTL/BMAL1, CLOCK and CRY1 by acting as a coactivator for RORA and RORC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211726