

Product datasheet for MR201591

Jazf1 (NM_001168277) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jazf1 (NM_001168277) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Jazf1
Synonyms: A1591476; C820002C15; Jaz1; Tip27
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201591 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGATGCTGCACGCCGAGAACAGGAATCTCTGAAGAAGAAGATTCAGCCGAAGCTTTCCTAAACCC
TGTCCAGCTCCGTGTCTCGAGGGAATGTGTCCACTCCACCTCGACATAGCAGTGGCAGCCTTACTCCCC
TGTGACCCCGCCATCACGCCCTCTTTCATTCCGCAGCAGCACTCCAACAGGCAGCGAGTATGATGAG
GAAGAGGTGGACTATGAGGAGTCAGACAGTGTGAGTCTGGACCACAGAGCGCCATCAGCTCTGAAG
CAATCCTCAGCTCCATGTGCATGAATGGAGGGAAGAGAAGCCTTTCGCCTGCCAGTCCAGGGTGTAA
AAAGAGATACAAGAATGTGAATGGCATAAAGTACCATGCTAAGAATGGTCACCGAACACAGATTCGCGTC
CGCAAACCATCAATGCCGGTGTGGGAAGAGTTACAAGACAGCTCAGGGCTGCCGCACCACACAAATCA
ATTTCCATCCCCAGTGTCTGCCGAGATGATCAGGAAGATGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201591 protein sequence
Red=Cloning site Green=Tags(s)
MTDAARREQESLKKKIQPKLSLTLSSSVSRGNVSTPPRHSSGSLTPPVTPPIPTSSSFRSSTPTGSEYDE
EEVDYEESSDESWTTESAISSEAILSSMCMNGGEEKPFACVPVGCKKRYKNVNGIKYHAKNGHRTQIRV
RKPFFKRCRGKSYKTAQGLRHHTINFHPPVSAEMIRKMQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001168277

ORF Size: 540 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:

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_001168277.1](#), [NP_001161749.1](#)

RefSeq Size: 2926 bp

RefSeq ORF: 540 bp

Locus ID: 231986

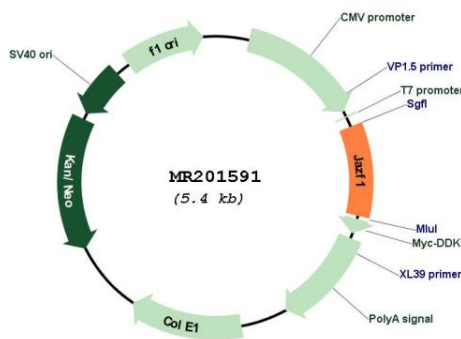
UniProt ID: [Q80ZQ5](#)

Cytogenetics: 6 25.74 cM

MW: 19.9 kDa

Gene Summary: Acts as a transcriptional corepressor of orphan nuclear receptor NR2C2 (By similarity). Inhibits expression of the gluconeogenesis enzyme PCK2 through inhibition of NR2C2 activity (PubMed:24380856). Also involved in transcriptional activation of NAMPT by promoting expression of PPARA and PPARC (PubMed:24930994). Plays a role in lipid metabolism by suppressing lipogenesis, increasing lipolysis and decreasing lipid accumulation in adipose tissue (PubMed:24380856, PubMed:25614086). Plays a role in glucose homeostasis by improving glucose metabolism and insulin sensitivity (PubMed:25614086, PubMed:24380856). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201591