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Product datasheet for MC207175

Jazf1 (NM_001168277) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jazf1 (NM_001168277) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jazf1
Synonyms:	AI591476; C820002C15; Jaz1; Tip27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207175 representing NM_001168277 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACAGATGCTGCACGCCGAGAACAGGAATCTCTGAAGAAGAAGATTCAGCCGAAGCTTTCACTAACCC TGTCCAGCTCCGTGTCTCGAGGGAATGTGTCCACTCCACCTCGACATAGCAGTGGCAGCCTTACTCCCCC TGTGACCCCGCCCATCACGCCCTCCTCTTCATTCCGCAGCAGCACTCCAACAGGCAGCGAGTATGATGAG GAAGAGGTGGACTATGAGGAGTCAGACAGTGATGAGTCCTGGACCACAGAGAGCGCCATCAGCTCTGAAG CAATCCTCAGCTCCATGTGCATGAATGGAGGGGAAGAGAAGCCTTTCGCCTGCCCAGTTCCAGGGTGTAA AAAGAGATACAAGAATGTGAATGGCATAAAGTACCATGCTAAGAATGGTCACCGAACACAGATTCGCGTC CGCAAACCATTCAAATGCCGGTGTGGGAAGAGTTACAAGACAGCTCAGGGCCTGCGGCACCACACAATCA ATTTCCATCCCCCAGTGTCTGCCGAGATGATCAGGAAGATGCAGCAGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001168277
Insert Size:	540 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).

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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
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 PPARD (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] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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