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Product datasheet for MC201947

Gad1 (NM_008077) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gad1 (NM_008077) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gad1
Synonyms:	EP1; EP10; Gad-; Gad-1; GAD2; GAD4; GAD6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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>BC027059 sequence for NM_008077
GGAAGCAGCCCTGGGGTGACACCCAGCACGTACTCCTGTGACAGAGCCGAGCCCAGCCCAGCCCCGGGAC
GCTTCGCAGAGGAGTCGCGGGAGGGTCCAGCTCGCTGTCGCTGAACCGAGCCTGTTCCTGCGCCCAGTCT
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TCTGTCAGTAGCTGACACATCTAGGCCATCTCACTGAAGGAAATTACAATCTCTTAAAGAATATTTGTCA
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AACACAGTATATATGTACAGTTATATATACCTCTCTCTATGTACATGTATGTATAGTGACTGTGGCTTAG
TCCTAGACCATAGCATGTTGCTCGTCCCCAGGAAATTAGCCTTACCCCCAGCAATTACTAAGAGGCTAAA
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CTGGATACTGTTTATGGTATTTTCGTGCATTTGTGAGCCAAAGAGAAAAGATGAAAATTAGTGAGATTTG
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TACACTGACCAGTCCCACAAGTGTTTTTGAAGACATGAAACCCACACTGTGCATTTAGGGTGTGCAAGAA
GAATATAAATAAAATAAAAAATATTCTCCATGAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI

ACCN: NM_008077

Insert Size: 1782 bp

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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:	BC027059, AAH27059
RefSeq Size:	3198 bp
RefSeq ORF:	1782 bp
Locus ID:	14415
UniProt ID:	P48318
Cytogenetics:	2 41.63 cM
Gene Summary:	The protein encoded by this gene is an enzyme that catalyzes the production of gamma-aminobutyric acid from L-glutamic acid. Alternative splicing of this gene results in two products, the predominant 67 kDa isoform and a smaller 25 kDa isoform. The smaller isoform is not thought to retain catalytic activity. [provided by RefSeq, Aug 2015] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (GAD67).

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