

Product datasheet for **MR209243**

Gad1 (NM_008077) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gad1 (NM_008077) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gad1
Synonyms:	EP1; EP10; Gad-; Gad-1; GAD2; GAD4; GAD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209243 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCATCTTCCACTCCTTCGCCTGCAACCTCCTCGAACGCGGGAGCGGATCCTAATACTACCAACCTGC
 GCCTACAACGTATGATACTTGGTGTGGCGTAGCCATGGATGCACCAGAAAAGTGGCCTGAAGATCTG
 TGGCTTCTTACAAAGGACCAATAGCCTGGAAGAGAAGAGTCGTCTTGTGAGCGCCTTCAGGGAGAGGCAG
 TCCTCAAAGAACCTGCTTTCCTGTGAAAACAGTGACCAGGGTGCCCGCTTCGGCGCACAGAGACCGACT
 TCTCAAACCTGTTTGTCAAGATCTGCTCCAGCTAAGAACGGGGAGGAGCAAAGTGCAGTCTTGTCT
 GGAAGTGGTAGACATACTCCTCAACTATGTCGCAAGACATTTGATCGCTCCACCAAGGTTCTGGATTTT
 CACCACCCACACCAGTTGCTGGAAGGCATGGAAGGCTTTAATTTGGAGCTGTCTGACCACCCCGAGTCTC
 TGGAGCAGATCCTGGTTGACTGTAGAGACACCTGAAGTACGGGGTTCGCACAGGTACCCTCGATTTTT
 CAACCAGCTCTACTGGTTTGATATCATTGGTTTAGCTGGTGAATGGCTGACATCGACTGCCAATACC
 AATATGTTACATATGAAATGCACCCGTGTTTGTCTCATGGAACAGATTACTCTTAAGAAGATGAGAG
 AGATCGTTGGATGGTCAAATAAAGATGGTATGGGATATTTTCTCCTGGGGGAGCCATATCCAATATGTA
 CAGCATCATGGCTGCTCGTTACAAGTACTTCCCAGAAGTGAAGACAAAAGGCATGGCGGCTGTGCCAAA
 CTGGTCTCTTACCTCAGAACACAGTCACTATTCATAAAGAAAAGCCGGGGCTGCGCTTGGCTTTGGAA
 CCGACAATGTGATTTTATAAAGTGAATGAAAGGGGGAAGATAATTCCGGCTGATTTAGAGGCAAAAAT
 TCTTGATGCCAAACAAAAGGGCTATGTTCCCTTTATGTCAATGCAACCCAGGCACGACTGTTTACGGA
 GCATTCGATCCAATCCAGGAAATGCGGACATATGTGAGAAATACAACCTTTGGCTGCATGGATGCTG
 CCTGGGGTGGTGGACTGCTCATGTCCCGGAAGCACCAGCCACAAAAGTACAGCGGCATAGAAAGGGCCAATT
 AGTCACCTGGAACCCCTACAAGATGATGGGCGTCTGCTCCAGTCTGCTGCCATTCTGGTCAAGGAAAAG
 GGTATACTCCAAGGATGCAACCAGATGTGTGCAGGCTACCTCTCCAGCCAGACAAGCAGTATGACGCTCT
 CCTATGACACCGGGGACAAGGCGATTCACTGTGGCCGCCATGTGGACATCTTCAAGTTCTGGCTGATGTG
 GAAAGCAAAGGGCACCGTGGGATTTGAAAACAGATCAACAAATGCCTGGAGCTGGCTGATTACCTCTAC
 GCCAAGATTA AAAACAGAGAAGAGTTTGGATGGTTTTTCGATGGTGGCTGAGCACACAATGTCTGTT
 TCTGGTACATCCACAAGCCTTCGAGGGTTCAGATAGCCCTGAGCGACGAGAAAAGTACACAGGGT
 GGCTCCCAAGATCAAAGCTCTGATGATGGAGTCAAGAACACCATGGTGGCTACCAGCCTCAAGGGGAC
 AAGGCCAACTTCTCCGGATGGTATCTCTAACCCAGCCGCCACCAGTCTGACATCGATTTCTCATTG
 AGGAGATAGAGAGTTGGTTCAGGATCTG

ACGCGTACGCGGCGGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209243 protein sequence
 Red=Cloning site Green=Tags(s)

MASSTPSPATSSNAGADPNTTTLRPTTYDTCWGVAHGCTRKLGLKICGFLQRTNSLEEKSRSLVSAFRERQ
 SSKNLLSCENSDQGARFRRTETDFSNLFAQDLLPAKNGEEQTAQFLLEVVVDILLNRYRKTFRSTKVLDF
 HHPHQLLEGMGFNLELSDHPESLEQILVDCRDTLKYGVRTGHPRFNQLSTGLDIIGLAGEWLTSTANT
 NMFITYE IAPVFLMEQITLKKMREIVGWSNKDGDGIFSPGGAISNMYSIMAARYKYFPEVKTGMAAVPK
 LVLFTSESHYSIKKAGAALGFGTDNVILIKCNERGKIIPADLEAKILDAKQKGYVPLYVNATAGTTVYG
 AFDPIQEIADICEKYNLWLHVDAAWGGGLLSMRKHRHKLSGIERANSVTWNPMMGVLLQCSAILVKEK
 GILQGCNQMCAGYLFQPKQYDVSYDTGDKAIQCGRHVDIFKFWLMWKAKGTVGFENQINKCLELADYLY
 AKIKNREEFEMVFDGEPEHTNVCFWYIPQSLRGPDPSPERREKLHRVAPKIKALMMESGTTMVGYPQGD
 KANFFRMVISNPAATQSDIDFLIEEIERLQDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

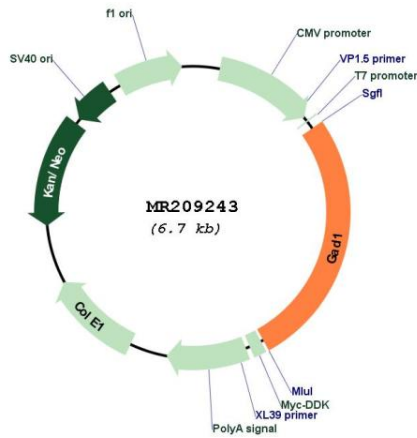
Sgfl-MluI

Cytogenetics: 2 41.63 cM

MW: 66.6 kDa

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]

Product images:



Circular map for MR209243