

Product datasheet for **RN212955**

Gad1 (NM_017007) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gad1 (NM_017007) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gad1
Synonyms:	Gad67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212955 representing NM_017007
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCATCTTCCACGCCCTTCGCCTGCAACCTCCTCGAACGCGGGAGCGGATCCTAATACTACCAACCTGC
GCCTACAACATATGATACTTGGTGTGGCGTAGCCCATGGATGCACCAGAAAACCTGGGCCTGAAGATCTG
TGGTTTCTTGCAAAGGACCAATAGCCTGGAAGAGAAGAGTCGTCTTGTGAGCGCCTTCAGGGAGAGGCAG
GCCTCAAAGAACCTGCTTTCCTGTGAAAACAGTGACCCTGGTGCCCGCTTCGGCGCACAGAGACGGACT
TCTCAAACCTGTTTGCTCAAGATCTGCTCCAGCTAAGAACGGGGAGGAGCAAACGTGCAGTTCTTACT
GGAGGTGGTTGACATACTCCTCAACTATGTCCGCAAGACGTTTGATCGCTCCACCAAGGTTTTGGACTTC
CACCACCCACACCAGTTGCTGGAAGGCATGGAAGGTTTTAATTTGGAGCTGTCTGACCACCCCGAGTCTC
TGGAGCAGATCCTGGTTGACTGTAGAGACACCCTAAAGTACGGGGTTCGCACAGGTACCCTCGTTTTT
CAACCAGCTCTACTGGTTTGATATCATTGGTTTTAGCTGGCGAATGGCTGACATCAACTGCCAATACC
AATATGTTACATATGAAATTGCACCCGTGTTTGTCTTATGGAACAGATCACACTTAAGAAGATGCGAG
AGATCATTGGATGGTCAAATAAAGATGGTATGGGATATTTCTCCTGGGGGAGCCATATCCAACATGTA
CAGCATCATGGCGGCTCGGTACAAGTACTTTCCAGAAGTAAAACAAAAGGCATGGCGGCTGTGCCAAA
CTGGTCTCTTACCTCAGAACACAGTCACTATTCATAAAGAAGGCTGGGGCTGCGCTTGGCTTTGGAA
CTGACAATGTGATCCTGATAAAGTGCAATGAAAGGGGGAAGATAATTCCAGCTGATTTAGAGGCAAAAAT
TCTTGATGCCAAACAAAAGGGATTTGTTCCCTTTATGTCAATGCAACCCAGGCACGACTGTTTATGGA
GCGTTTGCATCCGATCCAGGAGATTGCAGACATATGTGAGAAAACAACCTTTGGCTGCATGTGGATGCTG
CCTGGGGTGGTGGGCTGCTCATGTCCCGAAGCATCGCCACAAAACCTCAGCGGCATAGAAAGGGCCAATTC
AGTCACCTGGAACCCCTACAAGATGATGGGTGTGCTGCTCCAGTGTCTGCCATCCTGGTCAAGGAAAAG
GGTATACTCCAAGGATGCAACCAGATGTGTGCAGGCTACCTCTTCCAGCCAGACAAGCAGTATGACGTCT
CCTACGATACAGGGGACAAGGCGATTCACTGTGGCCGCCATGTGGACATCTTCAAGTTCTGGCTGATGTG
GAAAGCAAAGGGCACTGTGGATTTGAAAATCAGATCAACAAATGCCTGGAGCTGGCTGAATACCTCTAT
GCCAAGATTA AAAACAGAGAAGAGTTTGGATGGTTTTCAATGGTGGCCTGAGCACACAATGTCTGTT
TCTGGTACATACCACAAAGCCTCCGAGGGTTCAGACAGCCCTGAGCGACGAGAAAACTACACAGGGT
GGCTCCCAAGATCAAAGCCCTGATGATGGAGTCAGGAACAACCATGGTTGGTTACCAGCCTCAAGGGGAC
AAGGCCAACTTCTCCGGATGGTCATCTCAACCCAGCCGCCACCCAGTCTGACATCGATTCCTCATCG
AGGAAATAGAGAGTTGGTCAAGATCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1665_e12.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_017007

Insert Size: 1782 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).

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_017007.1](#), [NP_058703.1](#)

RefSeq Size: 3216 bp

RefSeq ORF: 1782 bp

Locus ID: 24379

UniProt ID: [P18088](#)

Cytogenetics: 3q22

Gene Summary: plays a role in the biosynthesis of gamma-aminobutyric acid [RGD, Feb 2006]