

Product datasheet for **MC204550**

Gad2 (NM_008078) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gad2 (NM_008078) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gad2
Synonyms:	6330404F12Rik; GAD(65); Gad-2; GAD65
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC018380
 GCAGCTTGCCACAGCCACTTGGAGGCGACCAGCGCCAGTCTAGCAGAACCCATGGCGTCTCCTGGCTCCG
 GCTTTTGGTCTTCGGATCTGAAGATGGCTCTGCGGATCCTGAGAACCCGGGCACAGCGAGAGCGTGGTG
 CCAGGTGGCCAAAAGTTACGGGCGGCATCGGAAACAAGCTGTGCGCTCTGCTCTATGGAGACTCCGGG
 AAGCCAGCGGAGGGCGGGGAGCGTGACCTCGCGGGCCGCCACCGGAAGTTCGCTGCACCTGCGACC
 AAAAACCTGCAACTGCCCCAAAGGGGATGTCAACTACGCGTTTCTGCACGCAACAGACCTGCCAGC
 GTGTGATGGAGAAAAGGCCACTCTGGCATTCTACAAGATGTTATGAACATTTTGTCTCAGTACGTGGTG
 AAAAGTTTCGATAGATCAACTAAAGTGATCGATTTCATTACCCAATGAGCTTCTCAAGAGTATAATT
 GGGAAATTGGCAGACCAACCGCAAAATCTGGAGGAAATTTGACGCATTGCCAAACAACCTCTAAAATATGC
 AATTAACACAGGGCATCCCCGATATTTAATCAGCTGTCTACTGGATTGGATATGGTTGGATTAGCAGCA
 GACTGGTTGACATCAACAGCAAACACTAACATGTTACCTATGAGATCGCCCTGTATTTGTGCTGCTAG
 AATATGTTACACTAAAGAAAATGAGAGAAATCATTGGCTGGCCCGGGGCTCTGGCGATGGAATCTTTTC
 TCCTGGTGGCGCCATCTCAACATGTATGCCATGCTCATTGCCCGCTATAAGATGTTCCAGAAGTCAAG
 GAGAAGGGGATGGCAGCAGTGCCAGGCTCATCGCGTTCACATCAGAGCATAGTCACTTTTCTCTAAGA
 AGGGAGCTGCAGCCTTAGGGATTGGAACAGACAGTGTGATTCTGATTAATGTGACGAGAGGGGAAAAT
 GATTCCATCTGATCTTGAAAGAAGAAATCCTTGAAGTCAAACAGAAAGGATTTGTTCTTTCTGGTGAGT
 GCCACAGCTGGAACCACCGTGTATGGGGCTTTTGATCCTCTCTTGGCTGTAGCTGACATCTGCAAAAAGT
 ATAAGATCTGGATGCACGTGGATGCTGCTTGGGGTGGAGGGTTACTGATGTCCCAGAAACACAAGTGGA
 GCTGAGTGGAGTAGAGAGGGCCAACTCTGTGACATGGAATCCTCACAAAGATGATGGGTGTCCCCTTGCA
 TGTTACAGCTCTCCTGGTTAGAGAGGAGGGACTGATGCAGAGCTGCAACCAGATGCATGCTTCTACCTCT
 TTCAGCAAGATAAGCACTATGACCTGTCTATGACACAGGAGACAAGGCCTTGCAGTGTGGACGCCATGT
 GGATGTCTTTAAATTATGGCTCATGTGGAGAGCAAAGGGGACTACTGGGTTTGAGGCACACATTGATAAG
 TGTTTGGAGCTAGCAGAGTATTTATACACTATCATAAAAAACCGAGAAGGCTATGAAATGGTGTGTTGATG
 GGAAGCCTCAACACACAATGTCTGCTTCTGGTTGTACCTCTAGTTTGCACACTCTGGAAGACAATGA
 AGAGAGAATGAGCCGCTCTCAAAGGTGGCGCCAGTGATTAAGCCAGAATGATGGAGTATGGGACCACA
 ATGGTCAGCTACCAACCCTTAGGGGACAAGGTCAACTTCTCCGCATGGTCATCTCAAACCTGCAGCAA
 CTCACCAAGACATTGACTTCCTTATTGAAGAAATCGAACGCTCGGACAAGATTTGTAATCACCTCACTC
 ATCAAAGTGTTCAGTTCTTAGGTAGACAGCTAAGTTGTCACAACTGTGTAATGATTTGTAGTTTG
 TTCCAGAATAATTCTATTTCTATATCGTGGTGTACAGTAGAGTACAGTTTAAAAAATCAAACCAAGT
 GGGTGGTGGTGGCGCATGCCTTTAATCCCAGCACTTGGGAGGCAGAGGCAGGATTTCTAAGTTCAAG
 GCCAGCCTGGTCTACAAAGTGAGTTCAGGACAGCCAGGGCTACACAGAGAAACCCTGTCTCGAAAAAAA AAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_008078
- Insert Size:** 1758 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: [BC018380](#), [AAH18380](#)

RefSeq Size: 2110 bp

RefSeq ORF: 1758 bp

Locus ID: 14417

UniProt ID: [P48320](#)

Cytogenetics: 2 15.15 cM

Gene Summary: Catalyzes the production of GABA.[UniProtKB/Swiss-Prot Function]