

## Product datasheet for MC223154

### Grin3b (NM\_130455) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Grin3b (NM\_130455) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Grin3b  
**Synonyms:** GluN3B; NR3B  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223154 representing NM\_130455  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGTGTGTGCAGACGCTGTGGCTCAGCCTGGCCCTGGCGCTGGCGCAGGGTCTGGTGGTGGCGG  
 GTCACCCTCAGCCCTGCGGGTCCACGCGCGCCGGGGCTCCGTGCGCTGGCTGCGCTCTACCCCG  
 GCGCCCGCCGCGCCGCGCCGCTCCTAGCCGCTGGCCACCCCTCCCGCGGCTGCCGACAACCTG  
 AGTCTGGAGCTAGTGGCGTCCCGTCCCAACCCGGGACCCCGCTCGCTGGCCCGAGGTCTGTGCCAGG  
 TTCTGGCACCCGCGCGTGGTGGCTCTATAACCTTTCCCGAGGCGCGGCTGAGCTACGGCTATTGCA  
 GTTCTGGCAGCTGCCACAGAGACCCCGGTGCTGAGCGTCTACGGAGGGAGGTGCGCGCCCTCGGA  
 GCTCCGACCCGTTCCACCTGCAGCTGGACTGGCTAGTCCCCTGGAGACCATCTGGATGTGCTGGTGT  
 CCCTGGTACGGGCACACGCTGGGAGGACATTGCTCTAGTGTCTGTCTGTCCGGGACCCAGTGGCT  
 GGTGACACTCTGGACCAGCCGTGCTAGCCAGGCTCCAAAGTTGTGCTGGACCTGAGCCAGTTGGACAGC  
 GGAATGACAGCCTTCGGGCTACACTGGCCCTGCTGGGACGCTGGAAGGAGGGGAACCCCGTGTCTG  
 CAGCCGCTCCTGGGCTGCAGCACTGCCATGCACATGAGTCCCTAGAGGCAGCACCCAGGCTCCCA  
 GTGGCTGTGGGACACCACTGCCCGCCGAGGCACTGCCAAAACCGGTCTGCCCTGGGGTGTGGTG  
 CTGGGGAAACCGGCAGCCTTCCCTGGAAGCTGCCGTCCACGACATGGTGGAGCTTGTGGCTCGGGCAC  
 TCAGCAGCATGGCCCTCATGCACCCAGAGCGGGCCCTGCTCCAGCGGCAGTAAATTGTGAGGACCTGAA  
 AACGGGCGGCTCTGAGTCAACAGCAGCACCTTGGCTAGGTTTCTGAGCAACACCTCATTTCAGGGCCG  
 ACAGGGGCTGTGGTGGCAGGCTCCTCTCAGGTGCATGTGTCTCGGCATTTCAAGGTATGGAGCTTAC  
 GCAGGGACCCGCTGGGTGCCAGCCTGGCAACAGTAGGCAGCTGGCAGGATGGACAGCTGGACTTCCA  
 GCCAGGGCGGCTGCTCCGAGTTCCATCTCCATCTGGCACCCAGGCCCGCCAAAGCTGCGAGTGGTA  
 ACTCTGGTGAACACCCATTTGTGTTACCAGGGAATCTGATGAAGATGGCAGTCCCGCTGGGCAGC  
 TGTGTCTAGACCCAGGCACCAATGACTCGCCAGGCTGGATGCGCTTCTACTGCATTGGAGAATGGCTC  
 CGTGCCTCGCACCTGAGAAGATGCTGTTATGGCTACTGCATTGACCTGCTGGAGCGGCTGGCCGAGGAC  
 CTGGCCTTGGACTTTGAGCTCTATATTGTGGGGATGGCAAGTACGGGGCCCTGCGTGATGGACGCTGGA



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CAGGCCTGGTGGGTGACCTGCTGGCCGGTCGGGCACACATGGCCGTGACCAGCTTCAAGTATCAACTCGGC  
TCGCTCCCAGGTGGTGGATTTACCAGCCCTTTCTTCTCCACCAGCCTGGGCATCATGGTGCGCACGCGA  
GATACAGCCTCACCCATTGGGGCTTTTATGTGGCCCTGCACTGGTCCATGTGGGTGGGTGTGTTTGCTG  
CCCTGCACCTCACAGCGCTTCTCTTACTCTGTACGAATGGCGGAGTCCCTACGGGCTCACGCCACGCGG  
CCGCAACCGTGGTACCGTCTTCTCTACTCCTCCGCTCTCAACCTCTGCTACGCCATTCTTTCGGACGC  
ACTGTCTCCAGTAAGACACCCAAGTGTCTACCGGACGCTTCTCATGAATCTCTGGCAATCTTCTGCC  
TGCTGGTGCATCCAGTTACACAGCCAACCTGGCAGCTGTCATGGTCGGGACAAGACATTTGAGGAGCT  
GTCTGGAATCCATGATCCCAAGCTGCACCACCCTTCCCAAGGCTTCCGCTTTGGCACCGTGTGGGAGAGC  
AGCGCGGAGGCTACATCAAGGCGAGCTTCCCGAGATGCACGCACACATGCGTGCACACAGCGCACCTA  
CCTCCACACGGAGTGGCCATGCTCACGAGCGACCCGCCAAGCTCAACGCCTTCATCATGGATAAATC  
ACTACTGGATTATGAGGTGTCCATAGATGCGGACTGCAAGCTGCTCACCGTGGGCAAACCTTTGCGATC  
GAGGGCTACGGCATAGGGCTGCCCAAATTCGCCGCTCACCTCAACCTGTGAGAGTTCATCAGTAGGT  
ACAAGTCTCAGGCTTATTGATCTGCTCCATGACAAGTGGTACAAGATGGTGCCTTGGCGGAAGCGGGT  
GTTGCGCGTGACGGAGACGCTGCAGATGGGGTCTACCACTTGTGAGGGTGTGTTGCTGCTGTGCCCTC  
GGGCTGGGCAGTCACTTCTCACCTCGTGGGTGAGCACGTCTTCTACCGCTGGTGTGCCGCGCATCC  
GCAGGGGCAATAAGCTGCAGTATTGGCTTACACGAGCCAGAAGATCCACCGAGCCCTCAACACAGGGCC  
ACCAGAGGGGCAACAGGAGAGGGCAGAGCAGGAGTGCAGCGGCCCAAGGAGGAGCAACCTGCAGCCGAC  
GGTGGCGGGCGCTGGAGGCGGGTGCGCCGGGCCGTGGTGGAAACGGGAACGGCGCGTGCCTTCTGCTGG  
AACCTGGGAGGCTGGCGGGGACCATCCGTGGCTCTGCTCCAATGGGCGGGGGTGAAGCAGAAGTGC  
GGAGCTGGAGCTGCGCATTGAGGCTGCACGGGAGCGGCTGCGTAGTGCCTGCTGCGGCGAGGGGAACTG  
CGGGCCAGCTTGGGGATGGCACCCGGCTCAGGCCACTGCGCTGCTGCATGCGGCGCCCGGAGAGCT  
GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_130455

**Insert Size:** 3012 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\\_130455.2](#), [NP\\_569722.1](#)

**RefSeq Size:** 3281 bp

**RefSeq ORF:** 3012 bp

Locus ID: 170483

UniProt ID: [Q91ZU9](#)

Cytogenetics: 10 C1

Gene Summary: NMDA receptor subtype of glutamate-gated ion channels with reduced single-channel conductance, low calcium permeability and low voltage-dependent sensitivity to magnesium. Mediated by glycine.[UniProtKB/Swiss-Prot Function]