

Product datasheet for **SC306057**

NR3B (GRIN3B) (NM_138690) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NR3B (GRIN3B) (NM_138690) Human Untagged Clone
Tag: Tag Free
Symbol: NR3B
Synonyms: GluN3B; NR3B
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_138690 edited
 ATGGAGTTTGTGCGGGCGCTGTGGCTGGGCCTGGCGCTGGCGCTGGGGCCGGGGTCCGCG
 GGGGGCCACCCTCAGCCGTGCGGCGTCTGGCGCGCCTCGGGGGTCCGTGCGCCTGGGC
 GCCCTCCTGCCCGCGCGCCTCTCGCCCGCGCCCGCGCCCGCGCCCTGGCCCGGGCC
 GCCCTGGCGCGCGGCTGCCGCAACCTGAGCTTGGAGCTGGTGGTGGCGCGCGCCCGC
 GCCCGCGACCCCGCCTCGCTGACCCGCGGCTGTGCCAGGCGCTGGTGCCTCCGGGCGTG
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 GCGGCCACCGAGACCCCGTGTCTCAGCTGCTGCGGGGGAGGCGCGCGCCCTCGGA
 GCCCGGAACCCATTCCACCTGCAGCTGCACTGGCCAGCCCTGGAGACGCTGTGGAT
 GTGCTGGTGGCGGTGCTGCAGGCGCAGCCTGGGAAGACGTGGCCTGGCCCTGTGCCG
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 CCGATGGCGGCGCCAGTGGGGGTGAAGCACCGGTACCCGCGGGGTCTCTCGGCTGT
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 ATTGACCTGCTGGAGCGGCTGGCGGAGGACACGCCCTTCGACTTCGAGCTGTACCTCGT
 GGTGACGCAAGTACGGCGCCCTGCGGGACGGCCGCTGGACCGGCTGGTGGGGACCTG



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CTGGCCGGCCGGGCCACATGGCGGTACCAGCTTCAGTATCAACTCCGCCCGCTCACAG
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CTGGTGCGGCGCGCCAGCTCCTGGCACAGCTCGGGGACAGCGCACGTCACCGCCCTCGG
CGCTTGCTTACAGCCAGAGCGGCCCCCGCGGAGGCCCCACCACACTCTGGCCGACCGGGG
AGCCAGGAATGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_138690
- Insert Size:** 3100 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_138690.1](#), [NP_619635.1](#)

RefSeq Size: 3270 bp

RefSeq ORF: 3132 bp

Locus ID: 116444

UniProt ID: [O60391](#)

Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: The protein encoded by this gene is a subunit of an N-methyl-D-aspartate (NMDA) receptor. The encoded protein is found primarily in motor neurons, where it forms a heterotetramer with GRIN1 to create an excitatory glycine receptor. Variations in this gene have been proposed to be linked to schizophrenia. [provided by RefSeq, Nov 2015]