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Product datasheet for SC213840

NMDAR2B (GRIN2B) (NM_000834) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NMDAR2B (GRIN2B) (NM_000834) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GRIN2B
Synonyms:	DEE27; EIEE27; GluN2B; hNR3; MRD6; NMDAR2B; NR2B; NR3
ACCN:	NM_000834
Insert Size:	2000 bp

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Insert Sequence:

>SC213840 3'UTR clone of NM_000834
The sequence shown below is from the reference sequence of NM_000834. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAACTTTCTAGTATTGAGTCTGATGTCTGAGTGAGGGAACAGAGAGGTTAAGGTGGGTACGGGAGGGTA
AGGCTGTGGGTCGCGTGATGCGCATGTCACGGAGGGTGACGGGGGTGAACTTGGTTCCCATTTGCTCCT
TTCTTGTTTTAATTTATTTATGGGATCCTGGAGTTCTGGTTCCTACTGGGGGCAACCCTGGTGACCAGC
ACCATCTCTCCTCCTTTTCACAGTTCTCTCCTTCTTCCCCCCGCTGTCAGCCATTCCTGTTCCCATGAG
ATGATGCCATGGGCCCTCTCAGCAGGGGAGGGTAGAGCGGAGAAAGGAAGGGCTGCATGCGGGCTTCCT
CCTGGTGTGGAAGAGCTCCTTGATATCCTCTTTGAGTGAAGCTGGGAGAACCAAAAAGAGGCTATGTGA
GCACAAAGGTAGCTTTTCCCAAACTGATCTTTTCATTTAGGTGAGGAAGCAAAAGCATCTATGTGAGAC
CATTTAGCACACTGCTTGTGAAAGGAAAGAGGCTCTGGCTAAATTCATGCTGCTTAGATGACATCTGTC
TAGGAATCATGTGCCAAGCAGAGGTTGGGAGGCCATTTGTGTTTATATATAAGCCAAAAAATGCTTGCT
TCAACCCCATGAGACTCGATAGTGGTGGTGAACAGAACAAAAGGTCATTGGTGGCAGAGTGGATTCTTG
AACAAACTGGAAAGTACGTTATGATAGTGTCCCACGGTGCCTTGGGGACAAGAGCAGGTGGATTGTGCG
TGCATGTGTGTTCATGCACACTTGCACCCATGTGTAGTCAGGTGCCTCAAGAGAAGGCAACCTTGACTC
TTTCTATTGTTTCTTTCAATATCCCCAAGCAGTGTGATTGTTTGGCTTATATACAGACAGAGATGGCCA
TGTATTACCTGAATTTTGGCTGTGTCTCCCTTCATCCTTCTGGAATAAGGAGAATGAAAATTCTTGATA
AAGAAGATTCTGTGGTCTAAACAAAAAAAGGCGGTGAGCAATCCTGCAAGAACAAGGTACATAAACAAG
TCCTCAGTGGTTGGCAATTGTTTCAACCAGTTTGAACCAAGAACTTTCCAGGAAGGCTAAAGGGAAACC
GAATTTTCACAGCCATGATTCTTTTGCCCACACTTGGGAGCAAAAGATTCTACAAAGCTCTTTTGAGCA
TTTAGACTCTCGACTGGCCAAGGTTTGGGGAAGAACGAAGCCACCTTTGAAGAAGTAAGGAGTCGTGTA
TGGTAGGGTAAGTGAGAGAGGGGGATGTTTCCAATGCTTTGATCCCTTCTTACTTAACCTGAAGCTAGA
CGAGCAGGCTTCTTCCCCCCAAAACTGATTACAACTGCTACAGAGCAGACAGTTAAGAGAAATGAGCTT
GACCTTTAAGAGAAATGAGCTGCACTCCATGAGTGCAGCTCTGGAGGTACGAAAAGAGGGGAAGAGACT
TGGAAATGGGAGACGGGGGCAGAGAGGGACCCTCCACCACCTCTTTGGGCCTGGCTCCCTGGGAATGTG
ACTTGAGCCCAGAGTGAACACTCTTGGTAGAAGCCCTTCTACCTTCCTGCAACACCTTGTTTCCCTCTC
AGATTGTACCATTGAGGAATAAAAAAAGATATACATGTATAAAACTCCAGGGATGAGGGTACCAGCAGA
ACTGATGCTCCCTTCACTTAACATTGGAAAATTGAGAAGGGAAATGAATATGTATCACTGCCGGTCCTG
AAACTTGCGGTAGGGCTATTTATTCTATGGGTCAGTTCCACTGTCCTGCCATCCTCCCCTACACAGGGT
GGCATCCAGAGAGCCCCAGGTCTGTGTGGAAGCTTGACTGCAGGATCGCCATGTTGCACACAGGACACA
TAAACCAGAAAGGTGCTCATCCTCCTCTGGAAGGAAGCTGCCATGTCTCTTCAAGTCACTCCCTCCAGG
GCTGCTCTTCGCCCCTGTTTGCCCTCACTCGTGACCCTTCCTCATCCCGCCCTTGACTGCTGTCCCCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_000834.5

Summary: This gene encodes a member of the N-methyl-D-aspartate (NMDA) receptor family within the ionotropic glutamate receptor superfamily. The encoded protein is a subunit of the NMDA receptor ion channel which acts as an agonist binding site for glutamate. The NMDA receptors mediate a slow calcium-permeable component of excitatory synaptic transmission in the central nervous system. The NMDA receptors are heterotetramers of seven genetically encoded, differentially expressed subunits including NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The early expression of this gene in development suggests a role in brain development, circuit formation, synaptic plasticity, and cellular migration and differentiation. Naturally occurring mutations within this gene are associated with neurodevelopmental disorders including autism spectrum disorder, attention deficit hyperactivity disorder, epilepsy, and schizophrenia. [provided by RefSeq, Aug 2017]

Locus ID: 2904

MW: 74.5