

Product datasheet for **SC208951**

NMDAR2A (GRIN2A) (NM_001134408) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NMDAR2A (GRIN2A) (NM_001134408) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GRIN2A
Synonyms:	EPND; FESD; GluN2A; LKS; NMDAR2A; NR2A
ACCN:	NM_001134408
Insert Size:	2000 bp



[View online »](#)

Insert Sequence:

>SC208951 3'UTR clone of NM_001134408

The sequence shown below is from the reference sequence of NM_001134408. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
ACAAACACTCGTTGCCATCCAGGCGGTGAATGACAGCTATCTTCGGTCGTCCTTGAGGTCAACGGCAT
CGTACTGTTCCAGGGACAGTCGGGGCCACAATGATGTGTATATTTTCGGAGCATGTTATGCCTTATGCTG
CAAATAAGAATAATGTACTCTACCCCGAGGTTTTAAATTCCTGCAGCAATAGACGCGTGTACAAGA
AAATGCCTAGTATCGAATCTGATGTTTTAAAAATCTTCCATTAATGTTTTATCTATAGGAAATATACGT
AATGGCCAATGTTCTGGAGGTAATGTTGGATGTCCAATAGTCCCTGCTAAGAGGAAGAAGATGTAG
GGAGGTATTTTGTGTTGTTGTTGTTGGCTCTTTGCACACGGCTTCATGCCATAATCTTCCACTCAAG
GAATCTTGTGAGGTGTGCTGAGCATGGCAGACACCAGATAGGTGAGTCCTTAACCAAAAAATACTAA
CTACATAAGGGCAAGTCTCCGGGACATGCCTACTGGGTATGTTGGCAATAATGATGCATTGGATGCCAA
TGGTGATGTTATGATTTCTATATTTCCAAATCCATTAAGGTGAGCCACCATGTAAATTTCTCATCAG
AAATGCCTAATGGTTTTCTAATACAGAATAAGCAATATGGTGTGCATGTAAACCTGACACAGACAAAA
TAAAAACAGTTAAGAATGCATCTGCACTGTAGTGCGATTGACATGTGCAAGAGATTAGGAAGTTGGCT
CGTAACAGTTTCAGCTTTCTGTTATGCCTTCCATCACAGCCAGGCTCACCCCAAGAACTCCAGGCTC
CCCTAAAGAATAGCAAATCAGTGTTCGTTGATGACTGTGCTACCTTCATTATAGTTTCAATTTCCAAGAC
ACATCTGGAGCCAAAGGCCCGAGGGACCCTCAGGTGGGGAGAGCTACAGGAATCTCTTTGGATGTTGAT
GTGTGTTTCTCTACCCCTCGGCTTCGATGGTCTTGTTCCAGAGCTGCATAAACTAACACATTTATGTCTC
CGAGACTAAGTGTGGATCTTCTGTCTGTGACACAGTGGCCATTGTAGTTTATCCCGAAGACGCCTATG
TACGTAAGTTTGCAATTTCTCCCTTCTGGTGATGACTCAGGTTGTATAGTATCTGTTACCCCTTCCCT
CCCAGAGTAACCAATAACTCGTTCGGTTTCCAAACAGCCATGGTGGTGTCCAATTAGCTGTGTATCGCTC
TTCCAGAGTTGTTAATGTGGTGACATGCACCAACAGCCGATGTGTAAGAGTGTGATCTGTAAGAAGTACA
ATGCCATCTGTCTGCCGAAGGCTAGCATGGTTTTAGGTTTATCTTCCATCCAGAAATTTCTGTTG
GACACTCACTTCCACCCAAACTCCTCAAATCAAAGCCTTCAAACACGAGGCACTCTTGGATCTACC
CTGAGTATCTCCAAACTGTGGATACAGTTTGTGAGACAAGCAATTTCTCCCTTCTGAGTTATTCTCT
CTGTTGGTGGCAAACCACTTCATAGCACAACAGAGATGTAGGAAAAATCCTCAAAGTATTTGTCATT
TCTGAGTCGCTGCATTATCCATCTTATTCTCCTCAAACCTGTGCATATATGACATGAAATGATATC
CATTTTTTTTTTAAAGTTAGAGACAGAGAGGGGAATACTTATGCATGGGGAGCCTGTAGCACAGTGCCT
GCCACAAAAACAAGTGCCCGACAAGATAGTTGCTATGTTATGACACTTCTCAGATCAGGATTTTCT
AGTTTTAAAAATTAATATCATAAAACCAGCAAATAATATTAATACTAAACCTTTTATATAGTTCTACTCTG
TTAATTAGTGTATTTTATGTACATGAATATTTTGAAGTATTTGGGATAACTAGCCATCAGTGTGTTGCA
GAAGACCTCAGTCTGTTTTGGCCATTACGAAACACTAAGCTAATGTAGACTCGCCTGGCCATTTCC
AGCGGACCGACTTACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCAGAGATTTTCGATTCCACCGCCGC
  
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Restriction Sites:

Sgfl-RsrII

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_001134408.2](#)

Summary:

This gene encodes a member of the glutamate-gated ion channel protein family. The encoded protein is an N-methyl-D-aspartate (NMDA) receptor subunit. NMDA receptors are both ligand-gated and voltage-dependent, and are involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. These receptors are permeable to calcium ions, and activation results in a calcium influx into post-synaptic cells, which results in the activation of several signaling cascades. Disruption of this gene is associated with focal epilepsy and speech disorder with or without cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Locus ID:

2903

MW:

75.5