

Product datasheet for **SC216296**

GRIK2 (NM_001166247) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GRIK2 (NM_001166247) Human 3' UTR Clone
Symbol:	GRIK2
Synonyms:	EAA4; GLR6; GluK2; GLUK6; GLUR6; MRT6
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001166247
Insert Size:	1797 bp



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Insert Sequence: >SC216296 3' UTR clone of NM_001166247
 The sequence shown below is from the reference sequence of NM_001166247. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

GTTGTCATCATCACCATCTTCATCATCATTATCATCATGTTCTT**TA**AAGTACATCTAATAAGGTCCTTC
 TGTAGTGCCATGGTAGAAGAATTGAGGATGTCCCTGAAGTGCCAGCGTCGGTTAAAAACATAAGCCACAGG
 CCCAGTTATTGTGAAAACAGAAGAAGTTATCAACATGCACACATTTAACGACAGAAGGTTGCCAGGTAA
 AGAAACCATGGCATAAAGCTGGGAGGCCAAACACCCAAGCACAAACTGTCGTCTTTTTCCAAACAATTTA
 GCCAGAATGTTTCTGTGGAAATATGCAACCTGTGCAAAATAAAATGAGTTACCTCATGCCGCTGTGTCT
 ATGAACTAGAGACTCTGTGATCTAAGCAGTTGCAATGATCAGACTTGATTTACAAGCATCATGGATCAAC
 CAAGTTACACGGGGTTACTACTGTTAATCATGGGTTCCCTCCCTTCTTCTGAGTGAATGTTAACATGCGCAT
 TTTGTGGCTGATTTCAAATGCAGTCCAGTGAGAAATTACAGGTTCCCTTTGAAGCTCAACTGTTGCCAGG
 AGATGGAAATCAATGCCCAACAGGGCAACCAATAAAAGTGTCCTAAGAATATAAATATTTGGAATCAG
 CAAAACTGTAGTGTTACAGGAAACAGTACAGTCTTCTGAACCCAGATCATAGAGGTGATGATGTTAC
 TAGCCCCAACTACTCAGTATAAATTATTGTCTGAATGCAAAGTATGTGTTTATAGGATGTGAAAAATGT
 AATGCAAAAACAAATTTGAATCCCATGGCAGTTGGAATATAAAGCAGATGTTTCATCACTTATTTTCCTTTT
 TTCTTTTCTTATTTTTTTTTTTGACAGTCTGTGTCAGTATTGAGATAGAAATGCCAATTATCAAGGAAA
 TAATGTTTTCTAAGTCCCTAAGGCAGAAGATTTAACATGCAATTCTACCAGATCCCTTCCATTTCCCC
 CAACACCTTTTCTAACCCTCATATCCCAAATAATAATAATAATAATAATAATAATAATAATAATAATA
 ATAAAAGCAGTTGGTTCAGTGATTCTGAATTAAGGATAATGTTTTGCAATGTTCAAGTTGTAAAAAAT
 GGCCGAGTATTGGCTGTGTGGAAGACTAAAGCTTTCATTCTAACATTCAGACATAGCAATCCAAACCTT
 GTTCTGCTGTAATGAACCTTGATGGAGCATGGCAGATTTTCAGTGATACGAGAAAGGGGACTGGTCATC
 TATAGAAAAATCTGTGAGAGAACTTGGAAAGTGGACTGCGTTTATCAATACAGTACAATGTTAAATGAAC
 AAAATTCTGAACAGTTTTTTTTCAAAAAATGTTTCAGGTTTATTTGTGGAAATGCAAGATTTCTATGAAA
 ATAGTTTTGTATGGAATTTTTGTAATACTTTTTATCAACAAAAACAAGAACATGTGTTCTGTCAGGGG
 TGTGATGTCAAGCATGAATGGTAGTGCGTGTGCACCACCAACGTTTGGTGAACACTTTTTATCAAGAA
 AAAAGGAATCATAGAAGAGAAAATTTTTCAAGTTAGATAATATAAAAGCTAGGTGCACTACCACCCTGC
 TTACCATGCCACACCCTGGTTTCCACGAGGCTGACAACATACTGTAATGAACAATTGTGTGTAATAATGG
 TAAAAGACACAGACCTCTTGACAACATTGTGATAACAGTTGAGTGCACACAGTTTGCTGTTTGAATCCAA
 TGCACAAAATTAATAAAATCATTAAACTATGTTTCACTTTTACTTTC

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

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_001166247.1](https://www.ncbi.nlm.nih.gov/nuccore/NM_001166247.1)

Summary:

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive cognitive disability. [provided by RefSeq, Jul 2008]

Locus ID:

2898