

Product datasheet for **SC204023**

GRIK1 (NM_175611) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GRIK1 (NM_175611) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GRIK1
Synonyms:	EAA3; EEA3; GLR5; GluK1; gluR-5; GLUR5
ACCN:	NM_175611
Insert Size:	327 bp
Insert Sequence:	>SC204023 3'UTR clone of NM_175611 The sequence shown below is from the reference sequence of NM_175611. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGAACTCAGAGAAAAGAGACTGTGGCGTGA TCCAAGGAAACGCCTGTAGGAAGAAAAAGGATGCATTCC CTACAGATTTTTGGAGAAAGGATTCTGAGGAGTGTGTATGTGTTCCATATATCTATATCCATAACT CTGATTATGAATACAGATATAAGAAATACAAAAGTTTAAAAAGCTCACATAGATATGACTTGGGAAGTG ACACCAGTTCTTTTAAAATAAATTTGTATGCTCAATTATTTTGCATTTTTTCTTTTTCCCAATAAATT GTTGTGTGTGCTTTCTAAATAATAATAAAACAACAGGGTTTTTTTCCAGAA ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_175611.3</u>



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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 (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 2897

MW: 12.7