

Product datasheet for **SC337745**

GRIK5 (NM_001301030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRIK5 (NM_001301030) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRIK5
Synonyms:	EAA2; GluK5; GRIK2; KA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001301030, the custom clone sequence may differ by one or more nucleotides

```

ATGCCGGCTGAGCTGCTGCTGCTGATTGTTGCCCTTCGCCAGCCCCAGCTGCCAGGTGCTCTCATCAC
TGCCGATGGCTGCAATCCTGGATGATCAGACAGTGTGTGGCCCGGTGAGCGTCTGGCCTTGGCCTTGGC
CCGGGAGCAGATCAACGGGATCATCGAGGTCCCAGCCAAGGCCCGAGTGAAGTAGACATCTTTGAGCTG
CAGCGGGACAGCCAGTACGAGACCACGGACACCATGTGTGAGATCTTACCCAAAGGGTTGTGTCTGTCC
TTGGGCCCTCCTCTAGCCAGCATCTGCCTCCACCGTGAGCCATATCTGTGGAGAGAAGGAGATCCCCCA
CATCAAGTGGGTCCCGAGGAGACACCCCGCTTCAGTACCTTCGCTTCGCGTCTGTGAGCCTGTACCCC
AGTAACGAGGACGTGAGCTTGGCGGTCTCCCGAATCCTCAAGTCTTCAACTACCCCTCGGCCAGCCTCA
TCTGCGCAAGGCTGAGTGCCTGCTGCGATTGGAGGAAGTGGTGCCTGGCTTCTCATCTCCAAGGAGAC
GCTGTGAGTGGATGTTGGACGACAGCCGGGACCCACACCACTGCTCAAGGAGATCCGTGATGACAAG
GTGTCCACCATCATCATCGACGCCAACGCCTCCATCTCCACCTCATCTCCGTAAGGCCTCGGAAGTGG
GAATGACCTCAGGTTTTACAAGTACATCTCACCACCATGGACTTCCCCATCTGCATCTGGACGGTAT
TGTGGAGGACTCCTCAACATCCTGGGCTTCTCCATGTTCAACAGTCCACCCCTTCTACCCTGAGTTT
GTCCCGCAGCCTCAACATGCTCCTGGAGGGAGAAGTGTGAAGCCAGCACCTACCTGGGCCCTGCGTGTGAG
CCGCCCTGATGTTTGACGCCGTGACAGTGGTGGTGGAGCGTGTCCGAGAGCTGAACCGCAGCCAGGAGAT
CGGTGTGAAGCCTCTGGCCTGTACATCGGCCAACATTTGGCCCCACGGGACCGCCTCATGAACTACCTG
CGCATGGTAGAGTATGATGGGCTGACCGGGCGGGTCGAGTTCAACAGCAAAGGGCAGAGAACCAACTACA
CCCTGCGCATCTAGAAAAGTCCCGGCAGGGCCACCGTGAGATTGGGGTGTGGTACTCTAACCGCACCT
GGCCATGAATGCCACCACCTGGACATCAACCTGTCGAGACACTGGCCAAACAAGACCCTGGTGGTCCACA
ACCATCTGGAGAACCATACGTGATGCGCCGCCAACCTTCCAGGCCCTGTGGGGGAAACGACGCTTCG
AGGGCTTCTGCGTGGACATGCTGCGGGAGCTGGCCGAGCTGCTGCGCTTCCGCTACCGCCTGCGGTTGGT
GGAGGATGGGCTGTACGGGGCGCCGAGCCAAACGGCTCCTGGACGGGCATGTTGGCGAGCTCATCAAC
CGGAAGGCAGACCTGGCTGTGGCCGCTTACCATCACAGCTGAGCGGGAGAAGTGCATGACTTTTCCA
AGCCCTTATGACCCTGGGGATCAGCATCTCTACCGAGTGCACATGGGCCGCAAGCCTGGTACTTCTC
CTTCTGGACCCCTTCTCCCTGCTGTGTGGCTTTCATGCTTCTTGCCTACCTGGCTGTGAGCTGCGTC
CTGTTTCTGGCTGCCAGGCTGAGCCCTATGAGTGGTATAACCCACACCCATGCCTGCGGGCAGCCCCC
ACATCCTGGAGAACCAGTACACGCTGGGCAACAGCCTGTGGTTTCCCGTGGGGGCTTCATGCAGCAGGG
CTCGGAGATCATCCCCGGGCGTGTCCACGCGTGTGTGAGCGGAGTCTGGTGGCCTTACCTTGATC
ATCATCTCCTCCTACACGGCCAACCTGGCCGCTTCTCACCGTGCAGCGCATGGAGGTGCTGTGGAGT
CGGCCGATGACCTGGCAGATCAGACCAACATCGAGTATGGCACCATCCACGCCGGCTCCACCATGACCTT
CTTCCAGAATTCACGGTACCAAACGTACCAGCGCATGTGGAATACATGCAGTGAAGCAGCCAGCGTG
TTCGTCAAGAGCACAGAAGAGGGCATTGCCCGCTCCTCAACTCCCGCTACGCCTTCTGCTCGAGTCCA
CCATGAACGAATACCACCGGCGCCTCAACTGCAACCTCACCCAGATCGGGGACTCCTCGACACCAAGGG
CTACGGCATTGGCATGCCGCTGGGCTCCCCGTCCGGGATGAGATCACTGGCCATCCTGCAGCTTCA
GAGAACAACCGGCTGGAGATCCTGAAGCGCAAGTGGTGGGAGGGGGCCGGTCCCCAAGGAGGAGGACC
ATCGAGCTAAAGTTTTGGCATGGAGAACATTGGTGGCATTTCATCGTGTCTATCTGTGGCCTCATCAT
TGCTGTCTTCGTGGCGGTGATGGAATTCATATGGTCCACACGGAGGTGAGTGAAGTCCGAGGAGACCCCA
GCTCTGCATCCAGCTGCCTGCCAGTGTCTGCACTTGGCCAAAGGACTCCTCTGAAGGAGCCGTCATGC
TGCTAGTAAAGGTGCCCTCCACCGTGTCCAGGTTGCCTTCTCAAGGACATCCCTCCGGCAAGTCTGTCC
TTTCTCCTGCAGCATCAGTTGCTCTCTTTATTGGATTGAGGCCACCAACGTACAAAATATGCTGTGAT
TTCTCCAGTCTTAAACCCTCTCCTGACCTCACTTCCCTCCAGCCACCGCCACTTTCTCCCTTCTCT
TTACAGCCTTGGCAGCAGTGGGGGTCTCCCTGATGCTTCCAGTTTCTTCTTCTCCCATTTCTCTTG
CCCCCACTCCAGTCTGGCATCGGTCCCTGCCACTCCACTGAAGCCACTTGTGACCAGCAACTCCAT
GCTGA
    
```

Restriction Sites: SgfI-MluI
ACCN: NM_001301030

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).
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:	<ol style="list-style-type: none">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_001301030.1 , NP_001287959.1
RefSeq Size:	3331 bp
RefSeq ORF:	2946 bp
Locus ID:	2901
UniProt ID:	Q16478
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>