

Product datasheet for **RN208922**

Grik4 (NM_012572) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grik4 (NM_012572) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grik4
Synonyms:	GluK4; KA1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN208922 representing NM_012572
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCGTCTCTGCTCCTCTGGTGCTGCTTCTGCTTGGCTCTTGATGGTGGCTGTAGCCCACT
 CCTGAGGATCGCTGCTATCTTGATGACCCCATGGAGTGCAGCAGAGGGGAACGGCTCTCCATCACCC
 GGCAAGAACCAGCATCAACCGCGCACCAGAGAGGCTGGGCAAGGCAAAAGTCGAAGTGGACATCTTTGAG
 CTTCTCAGAGACAGCGAGTACGAAACTGCAGAAACCATGTGTGAGATCCTCCCAAGGGAGTGGTCGCTG
 TCCTGGGACCGTCCAGCCAGCCTCCAGCTCCATCATCAGCAACATCTGTGGAGAGAAGGAGTCCC
 TCATTTCAAAGTGGCCCCAGAGGAGTTTGTGAGTTCCAACCTCCAGAGATTCACCACCCTGAACCTTAC
 CCCAGCAACCCGACATCAGCGTGGCTGTGGTGGGATCCTGAACTTCTCAACTGCACCACCGCTGCC
 TCATCTGTGCCAAAGCAGAATGCCTTTAAACCTGGAGAAGCTGCTCCGCAATTCCTTATCTCAAAGGA
 CACTGTCCGGTCCGGATGCTGGATGACACACGGGACCCACTCCGCTCCTCAAGGAGATCCGGGATGAC
 AAGACAGTACTATCATCATCCATGCCAACGCCTCCATGTGCGACACCATCCTCCTGAAGGCAGCTGAAC
 TGGGGATGGTGTGAGCCTATTACACCTACATCTTACCAATCTGGAGTTCTCCCTCCAGAGAATGGACAG
 CCTTGTGGATGATAGAGTCAACATCTTAGGATTTTCCATTTTCAACCAATCCCATGCTTTCTTCAAAGAG
 TTCTCCAGAGCCTCAACCAATCCTGGCAGGAGAACTGTGACCACGTGCCCTTACCAGCCCTGCGTTGT
 CCTCAGCCCTACTGTTTGACGCTGTCTACGCTGTGGTACAGCGGTACAGGAACTGAACCGGAGCCAGGA
 AATTGGCGTGAAGCCCTGTCTGTGGCTCGGCCAGATCTGGCAGCATGGCACCAGCCTCATGAACTAC
 CTGCGCATGGTAGAATTGAAGGTCTTACCGCCACATTGAATTAACAGCAAAGGCCAGAGGTCCAAC
 ATGCCTTGAAAATCTTACAGTTCACCAGGAATGGGTTTCGGCAGATTGGCCAGTGGCATGTGCCAGAGGG
 CCTCAGCATGGACAGCCGCCTCTACGCCTCCAACATCTCTGACAGTCTTCAACACCACCCTGGTCGTC
 ACCACCATCCTGAAAACCCATACCTAATGCTGAAGGGGAACCACCAGGACATGGAAGGCAATGACCGGT
 ACGAGGGATTCTGCGTGGACATGCTCAAGGAGTTGGTGAGATCCTACGTTCAACTACAAGATCCGCCCT
 CGTTGGGGATGGTGTTCAGGCGTACCTGAGGCCAACGGCACCTGGACGGGCATGGTTGGGGAGCTGATC
 GCTCGGAAAGCAGATCTGGCTGTGGCGGGCCTCACCATCACAGCTGAACGTGAGAAAGTATTGATTCT
 CCAAGCCGTTTATGACGCTGGGAATTAGTATTCTTACAGAGTTCATATGGGACGACAGCCGGGCTATTT
 CTCCTTTCTGGACCCCTTTCTCCAGGAGTCTGGCTTTCATGCTTCTAGCTTATCTGGCTGCAGCTGT
 GTCCTTCTCTGGTGGCTCGGTTAACTCCTTATGAGTGGTACAGTCCACATCCTTGTGCACAGGGCCGGT
 GTAATCTCCTGGTCAACCAAGTACTCTCTGGCAACAGCCTCTGGTTTCCAGTGGGAGGCTTCATGCAGCA
 AGGCTCCACCATCGCCCCGCGGGCTTTGTCCACACGCTGCGTCAAGTGGTGTCTGGTGGGCCCTTACGTTG
 ATCATCATCTCATCGTACACAGCCAACCTGGCAGCCTTCTGACGGTGCAGCGCATGGAAGTGCCCATCG
 AGTCTGTGGATGACCTGGCTGACCAGACCGCCATTGAGTATGGCAGGATTCACGGAGGCTCCAGCATGAC
 CTTCTTCAAAAATCCCCTACCAGACCTACCAGCGCATGTGGAATTACATGACTCCAAGCAGCCAGT
 GTGTTTGTGAAGAGCACAGAGGAGGGAATTGCCAGGGTGTGAATTCCAACCTACGCTTCTGCTGGAGT
 CCACATGAACGAGTACTACCGCAGAGGAACTGCAACCTCACTCAGATTGGGGGCTGCTGGACACCAA
 GGGTATGGGATTGGCATGCCAGTCGGCTCAGTGTCCGGGATGAGTTCGACCTGGCCATTCCTCCAGCTG
 CAGGAGAACAACCGCCTGGAGATTCTGAAGCGGAAGTGGTGGGAAGGGGGAAAATGTCCCAAGGAGGAGG
 ACCACAGAGCCAAAGGCCTGGGAATGGAGAATATTGGTGAATCTTTGTGGTTCTTATTTGTGGTTAAT
 AGTGGCCATTTTTATGGCTATGCTGGAGTTTTATGGACTCTCAGACACTCAGAAGCATCAGAGGTGCT
 GTGTGTCAGGAGATGATGACTGAGCTGCGCAGCATCATCTGTGCCAGGACAATATCCATCCCCGGAGGC
 GGCGCTCTGGAGGCTGCCACCCAGCCCGGCTCTGGAGGAGCGCCGGCCAGGGGTACAGCGACGCT
 CAGCAATGGCAAGCTATGTGGCCCGGGAGCCGGACCAACTGGCGCAGAGACTGGCTCAGGAGGCCGCC
 CTGGTGGCCCGAGGCTGCACGCACATCCGCTGTGCCCGAGTGGCCCGCTTCCAGGGCCTGCGGGCTC
 GACCGTCCAGCGCGCAGCGAGGAGAGCTGGAGTGGGACAAGACCACCAACAGCAGCGAGCCTGAGTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012572
Insert Size:	2871 bp
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_012572.1 , NP_036704.1
RefSeq Size:	3312 bp
RefSeq ORF:	2871 bp
Locus ID:	24406
UniProt ID:	Q01812
Cytogenetics:	8q22
Gene Summary:	kainate-preferring glutamate receptor subunit KA1, ligand-gated ion channel [RGD, Feb 2006]