

Product datasheet for **RN217383**

Grik5 (NM_031508) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grik5 (NM_031508) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grik5
Synonyms:	GluK5; iGlu5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217383 representing NM_031508
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCTGAGCTGCTGCTGCTGATAGTCGCCTTCGCCAACCCAGCTGCCAGGTGCTGTCATCAC
 TGCATGGCTGCAATCCTGGACGACCAGACCGTGTGGCCGTGGTGGAGCTCTGGCCCTGGCCCTGGC
 CCGAGAGCAGATCAATGGGATCATCGAGGTCCAGCCAAGGCCGAGTGGAAAGTAGACATCTTTGAGCTG
 CAACGGGACAGCCAGTACGAGACTACGGACACCATGTGTGAGATCCTGCCAAGGGGTTGTGTCTGCT
 TGGGACCTCCTCCAGCCAGCTTCTGCCTCCACCGTGGCCATATCTGTGGGAGAAGGAGATCCCCA
 CATCAAGGTAGGCCCTGAGGAGACACCCCGCTTCACTACCTCCGCTTTCATCTGTGAGCTGTATCCC
 AGTAATGAAGATGTCAGCCTGGCAGTCTCCGGATCCTCAAGTCTTTAACTACCCCTCCGCTAGCCTCA
 TCTGCGCCAAAGCTGAGTGCCTGCTGCGGTTAGAAGAACTGGTGGGAGGTTCTCATCTCCAAGGAGAC
 ACTGTCCGTGAGGATGCTTGTGACAGCCGGGACCCACGCCGCTACTCAAGGAGATCCGAGATGACAAA
 GTGTCCACCATCATCATCGATGCCAACCGGTCCATCTCCACCTTGTCTCCGTAAGGCTTCGGAGCTGG
 GAATGACCTCAGCGTTTTACAAGTACATCCTCACCACCATGGACTTCCCCATCCTGCATCTGGACGGTAT
 CGTAGAGGACTCCTCAACATCTTGGGCTTTCCATGTTCAACACCTCCCATCCCTTCTACCCGGAGTTT
 GTGCGCAGCCTCAACATGCTCCTGGAGGGAGAAGTGCAGGCCAGCACCTACCCCTGGCCCTGCGCTGTCGG
 CAGCCCTGATGTTTATGCGGTGCATGTGGTGGTAAGCGCTGTCCGAGAGCTGAACCCGAGCCAGGAGAT
 TGGTGTCAAGCCACTGGCTTGCCTTCCGCAACATCTGGCCCATGGGACCAGCCTCATGAACTACCTG
 CGCATGGTAGAGTATGACGGGCTGACTGGGCGGTTGAGTTCAACAGCAAAGGGCAGAGGACCAACTACA
 CACTGCGCATCCTGGAGAAGTCCCGCAGGGCCACCGTGGAGATAGGGGTGGTACTCTAACCCGGACCT
 GGCCATGAATGCTACCACCTGGACATCAACTGTACAGACTTAGCCAACAAGACTCTGGTGGTGCACA
 ACAATCCTGGAGAACCCGTATGTCATGCCCGGCCAACTTCCAGGCCCTGTGAGGAACAGCGCTTTG
 AGGGCTTCTGCGTGGACATGCTTCCGGAGCTGGCCGAGCTGCTGCGCTTCCGGTATCGCCTGCGGTTGGT
 GGAGGACGGACTGTACGGGGCACCTGAGCCCAATGGTTCCTGGACAGGAATGGTGGCGAGCTCATCAAC
 CGGAAGGCAGACCTGGCTGTGGCAGCCTTACCATCACCGCGAGAGAGAGAAGGTCATCGACTTCTCCA
 AGCCATTCATGACCCTGGGGATCAGCATCCTCTACAGGGTGCACATGGGCCGCAAGCCTGGCTACTTCTC
 CTTCTGGACCCTTCTCCCTGCCGTGGCTTTCATGCTTCTGCCTACCTGGCTGTCAGTGTGTC
 TTGTTTCTGGCTGCCAGGCTGAGCCCTTATGAGTGGTAAACCCACCCGTGTCTTCGGGCGCGTCCCC
 ATATCCTGGAGAACCAGTACACGCTGGGTAAACAGCCTTTGGTTCCTGTGGGTGGCTTATGAGCAGGG
 CTCGGAGATCATGCCCGGGCGCTGTCCACACGCTGTGTGAGCGGAGTCTGGTGGGCCTTCACTTGATC
 ATCATCTCCTCTACACGGCCAACCTGGCTGCCTTCTCACGGTGCAGCGCATGGAGGTGCCGTGGAGT
 CTGCAGACGACTTGGCGGATCAGACCAACATTGAGTACGGCACTATCCACGCTGGCTCCACCATGACCTT
 CTTTCAGAACTCACGGTACCAGAGTACCAGCGGATGTGGAATTACATGCAGTGAAGCAGCCAGCGTG
 TTCGTCAAGAGCACAGAGGAGGGGATCGCCCGTGTCTCAACTCACGTTACGCTTCTGCTGGAGTCCA
 CCATGAACGAGTACCACAGGCGCCTCAATTGCAACCTACCCAGATCGGGGGCTCCTCGACACCAAGGG
 CTACGGCATCGGCATGCCGCTGGCTCCCCATTCGGGATGAGATCACGCTGGCCATCCTGCAGCTCCAG
 GAGAACAACAGGCTGGAGATCCTGAAGCGCAAGTGGTGGAGGGCGCCGGTGCSCCAAGGAGAGGACC
 ACAGGGCCAAAGTTTGGCATGGAGAACATTGGCGGTATTTTTGTGCTGCTGATCTGTGCCTCATCAT
 TGCTGTCTTCTGGCGGTGATGGAATTCATCTGGTCCACGCGGAGGTGAGCGGAGTCTGAGGAGGTGTCG
 GTGTGCCAGGAGATGCTGCAGGAGTGCACCGCGTGTCTTGGCGCAAGACCTCGCGTTCGCCCGGC
 GCCGGCGCCTGGCGGCCGAGCCGGCCCTGCTGTCGCTGCGCGCGTCCGCGAGATGCGACTCAGCAA
 CGGCAAGCTCTACTCGCCGGCGCGGGCGGGACGCGGGCGCGCACGGGGTCCGACGCGCTCCTGGAC
 GACCCCGGGCTCCTGGGGACCCGGCCAGGCTCCCACGCCCTGCACGCACGTGCGGCTGTCAGG
 AGTGCAGGCGCATCCAGGCGCTGCGAGCTTCAAGGGCCGGGGCGCCCCGCTGGCTGGCACTCCGGC
 CGAAGCCACCAGCCGCCTCGGCCGCGGCTGGACCCACTGGACCCCGGAGCTGACTGAGCATGAATGA

AC**CGGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-NotI
ACCN:	NM_031508
Insert Size:	2940 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_031508.2 , NP_113696.1
RefSeq Size:	3776 bp
RefSeq ORF:	2940 bp
Locus ID:	24407
UniProt ID:	Q63273
Cytogenetics:	1q21
Gene Summary:	glutamate receptor subunit KA2; associates with subunits of the GluR5-7 family to form heteromeric kainate-preferring glutamate receptors [RGD, Feb 2006]