

Recombinant Human GRIK3 Protein, GST-tagged

Cat. No. GRIK3-5338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRIK3 full-length ORF (NP_000822.2, 1 a.a. - 919 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics. [provided by RefSeq]
Molecular Mass	130.4 kDa
AA Sequence	MTAPWRRRLRSLVWEYWAGLLVCAFWIPDSRGMMPHVIRIGGIFEYADGPNAQVMNA EEHAFRFSANIINRNRTLLPNTTTLTYDIQRIHFHDSFEATKKACDQLALGVVAIFGPSQ GSCTNAVQSICNALEVPHIQLRWKHHPLDNKDTFYVNLYPDYASLSHAILDLVQYLK WRSATVVYDDSTGLIRLQELIMAPSRYNIRLKIRQLPIDSDDSRPLLKEMKRGREFRII FDCSHTMAAQILKQAMAMGMMTEYYHFIFTTLDLYALDLEPYRYSGVNLTGFRILNV DNPHVSAIVEKWSMERLQAAPRSESGLLDGVMMTDAALLYDAVHIVSVCYQRAPQ

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MTVNSLQCHRHKAWRFGGRFMNFIKEAQWEGLTGRIVFNKTSGLRTDFDLDIISLKE
 DGLEKVGWSPADGLNITEVAKGRGPNVTDLSLTNRSLIVTTVLEEPFVMFRKSDRTL
 YGNDRFEGYCIDLLKELAHILGFSYEIRLVEDGKYGAQDDKGQWNGMVKELIDHKAD
 LAVAPLTITHVREKAIDFSKPFMTLGVSILYRKPNGTNPSVFSFLNPLSPDIWMYVLLA
 YLGVSCVLFVIARFSPYEWYDAHPCNPGSEVVENNFTLLNSFWFGMGSLMQQGSE
 LMPKALSTRIIGGIWWFFTLIISSYTANLAAFLTVERMESPIDSAADLAKQTKIEYGAV
 KDGATMTFFKKSISTFEKMWAFMSSKPSALVKNNEEGIQRALTADYALLMESTTIE
 YVTQRNCNLTIQIGGLIDSKGYGIGTPMGSPYRDKITAILQLQEEDKLHIMKEKWWRG
 SGCPEEENKEASALGIQKIGGIFIVLAAGLVLSVLVAVGEFVYKLRKTAEREQRSFCS
 TVADEIRFSLTCQRRVKHKPQPPMMVKTDVINMHTFNDRRLPGKDSMACSTSLAP
 VFP

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GRIK3 glutamate receptor, ionotropic, kainate 3 [Homo sapiens]

Official Symbol

GRIK3

Synonyms

GRIK3; glutamate receptor, ionotropic, kainate 3; glutamate receptor, ionotropic kainate 3; GluK3; GLUR7; gluR-7; glutamate receptor 7; excitatory amino acid

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receptor 5; dJ1090M5.1 (glutamate receptor, ionotropic, kainate 3 (GLUR7)); EAA5; GLR7; GluR7a;

Gene ID 2899

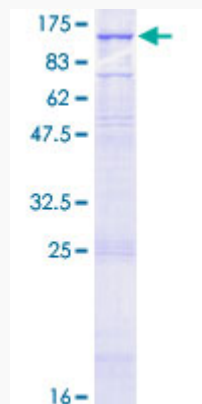
mRNA Refseq NM_000831

Protein Refseq NP_000822

MIM 138243

UniProt ID Q13003

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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