

# Recombinant Full Length Human GRIK3 Protein, GST-tagged

**Cat. No.** GRIK3-5644HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GRIK3 full-length ORF ( NP_000822.2, 1 a.a. - 919 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	919 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	130.4 kDa
<b>AA Sequence</b>	MTAPWRRLRSLVWEYWAGLLVCAFWIPDSRGMPHVIRIGGIFEYADGPNAQVMNA EEHAFRFSANIINRNRTLLPNTTLLTYDIQRIHFHDSFEATKKACDQLALGVVAIFGPSQ GSCTNAVQSICNALEVPHIQLRWKHHPLDNKDTFYVNLYPDYASLSHAIDLVLVQYLK WRSATVVYDDSTGLIRLQELIMAPSRYNIRLQIRQLPIDSDDSRPLLKEMKRGREFRII FDCSHTMAAQILKQAMAMGMMTEYYHFIFTTLDLYALDLEPYRYSVNLGTGFRILNV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DNPVSAIVEKWSMERLQAAPRSESGLLDGVMMDAALLYDAVHIVSVCYQRAPQ  
 MTVNSLQCHRHKAWRFGGRFMNFIKEAQWEGLTGRIVFNKTSGLRTDFDLDIISLKE  
 DGLEKVGWVSPADGLNITEVAKGRGPNVTDLSLTNRSLIVTTVLEEPFVMFRKSDRTL  
 YGNDRFEGYCIDLLKELAHILGFSYEIRLVEDGKYGAQDDKGGQWNGMVKELIDHKAD  
 LAVAPLTITHVREKAIDFSKPFMTLGVSILYRKPNGTNPSVFSFLNPLSPDIWMYVLLA  
 YLGVSCVLFVIARFSPYEWYDAHPCNPGSEVVENNFTLLNSFWFGMGSLMQQGSE  
 LMPKALSTRIIGGIWWFFTLIISSYTANLAAFLTVERMESPIDSADDLAKQTKIEYGAV  
 KDGATMTFFKSKISTFEKMWAFMSSKPSALVKNNEEGIQRALTADYALLMESTTIE  
 YVTQRNCNLTIQIGGLIDSKGYGIGTPMGSPYRDKITIAILQLQEEDKLHIMKEKWWRG  
 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA