Recombinant Full Length Human GRIK3 Protein, GST-tagged

Cat. No. GRIK3-5644HF **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	In Vitro Cell Free System
ProteinLength	919 amino acids
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	MTAPWRRLRSLVWEYWAGLLVCAFWIPDSRGMPHVIRIGGIFEYADGPNAQVMNA EEHAFRFSANIINRNRTLLPNTTLTYDIQRIHFHDSFEATKKACDQLALGVVAIFGPSQ GSCTNAVQSICNALEVPHIQLRWKHHPLDNKDTFYVNLYPDYASLSHAILDLVQYLK WRSATVVYDDSTGLIRLQELIMAPSRYNIRLKIRQLPIDSDDSRPLLKEMKRGREFRII FDCSHTMAAQILKQAMAMGMMTEYYHFIFTTLDLYALDLEPYRYSGVNLTGFRILNV

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	DNPHVSAIVEKWSMERLQAAPRSESGLLDGVMMTDAALLYDAVHIVSVCYQRAPQ MTVNSLQCHRHKAWRFGGRFMNFIKEAQWEGLTGRIVFNKTSGLRTDFDLDIISLKE DGLEKVGVWSPADGLNITEVAKGRGPNVTDSLTNRSLIVTTVLEEPFVMFRKSDRTL YGNDRFEGYCIDLLKELAHILGFSYEIRLVEDGKYGAQDDKGQWNGMVKELIDHKAD LAVAPLTITHVREKAIDFSKPFMTLGVSILYRKPNGTNPSVFSFLNPLSPDIWMYVLLA YLGVSCVLFVIARFSPYEWYDAHPCNPGSEVVENNFTLLNSFWFGMGSLMQQGSE LMPKALSTRIIGGIWWFFTLIIISSYTANLAAFLTVERMESPIDSADDLAKQTKIEYGAV KDGATMTFFKKSKISTFEKMWAFMSSKPSALVKNNEEGIQRALTADYALLMESTTIE YVTQRNCNLTQIGGLIDSKGYGIGTPMGSPYRDKITIAILQLQEEDKLHIMKEKWWRG SGCPEEENKEASALGIQKIGGIFIVLAAGLVLSVLVAVGEFVYKLRKTAEREQRSFCS TVADEIRFSLTCQRRVKHKPQPPMMVKTDAVINMHTFNDRRLPGKDSMACSTSLAP 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 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 Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA