

## Recombinant Full Length Human GRIK5 Protein

**Cat. No.** GRIK5-5646HF    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human GRIK5 full-length ORF (AAI68375.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	168 amino acids
<b>Description</b>	This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. [provided by RefSeq]
<b>Form</b>	Liquid
<b>Molecular Mass</b>	107.8 kDa
<b>AA Sequence</b>	MPAELLLLLLIVAFASPCQVLSSLRMAAILDDQTVCGRGERLALALAREQINGIIEVPA KARVEVDIFELQRDSQYETTDTCQILPKGVS SVLGPSSSPASASTVSHICGEKEIPH IKVGPEETPRLQYLRFASVSLYPSNEDVSLAVSRILKSFNYPSASLICKAECLLRLEE LVRGFLISKETLSVRMLDDSRDPTPLLKEIRDDKVSTIIIDANASISHLILRKASELGMTS AFYKYILTTFPILHLDGIVEDSSNILGFSMFNTSHPFYPEFVRS LNMSWRENCEAS TYLGPALSAALMFDVAVHVVVSAVRELNRSQEIGVKPLACTSANIWP HGTSLMNYLRM

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VEYDGLTGRVEFNSKQRTNYTLRILEKSRQGHREIGVWYSNRTLAMNATTLIDINLS  
 QTLANKTLVVTTILENPYVMRRPNFQALSGNERFEGFCVDMLRELAELLRFYRLRL  
 VEDGLYGAPEPNGSWTGMV GELINRKADLAVAAFTITAEREKVIDFSKPFMTLGISIL  
 YRVHMGRKPGYFSFLDPFSPAVWLFMLLAYLAVSCVLF LAARLSPYEWYNPHPCR  
 ARPHILENQYTLGNSLWFPVGGFMQQGSEIMPRALSTRCVSGVWWAFTLIISSYTA  
 NLA AFLTVQRMEVPVESADDLADQTNIEYGTIHAGSTMTFFQNSRYQTYQRMWNY  
 MQSKQPSVFKSTEEGIARVLNSRYAFLESTMNEYHRR LNCNLTQIGLLDTKGYG  
 IGMP LGSPFRDEITLAILQLQENNRLEILKRKWWEGGRCPKEEDHR AKGLGMENIGG  
 IFIVLICGLIIAVFVAVMEFIWSTRRSAESEEVSVCQEM LQELRHAVSCRKTSRSRRRR  
 RPPGPSRALLSLRAVREMRLSNGKLYSAGAGGDAGSAHG GPQRLLDDPGPPSGA  
 RPAAPTCTHVRVCQECRRIQALRASGAGAPPRGLGVPAEATSPPRPRPGPAGPR  
 ELAEHE

<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	GRIK5 glutamate receptor, ionotropic, kainate 5 [ Homo sapiens ]
<b>Official Symbol</b>	GRIK5
<b>Synonyms</b>	GRIK5; glutamate receptor, ionotropic, kainate 5; GRIK2; glutamate receptor, ionotropic kainate 5; GluK5; KA2; glutamate receptor KA2; glutamate receptor KA-2;



excitatory amino acid receptor 2; EAA2;

**Gene ID** 2901

**mRNA Refseq** NM\_002088

**Protein Refseq** NP\_002079

**MIM** 600283

**UniProt ID** Q16478

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