

Recombinant Full Length Human GRIK5 Protein

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

SPECIFICATION

Product Overview	Human GRIK5 full-length ORF (AAI68375.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	168 amino acids
Description	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]
Form	Liquid
Molecular Mass	107.8 kDa
AA Sequence	MPAELLLLLIVAFASPSCQVLSSLRMAAILDDQTVCGRGERLALALAREQINGIIEVPA KARVEVDIFELQRDSQYETDTMCQILPKGVS SVLGPSSSPASASTVSHICGEKEIPH IKVGPEETPRLQYLRFASVSLYPSNEDVSLAVSRILKSFNYP SASLICAKAECLLRLEE LVRGFLISKETLSVRMLDDSRDPTPLLKEIRDDKVSTIIIDANASISHLILRKASELGMTS AFYKYILTMTDFILHLDGIVEDSSNILGFSMFNTSHPFYPEFVRS LNMSWRENCEAS TYLGPALSAALMFDVHVVS AVRELNRSQEIGVKPLACTSANI WPHGTS LMNYLRM

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VEYDGLTGRVEFNSKGQRTNYTLRILEKSRQGHREIGVWYSNRTLAMNATTLDINLS
 QTLANKTLVVTILENPYVMRRPNFQALSGNERFEGFCVDMLRELAELLRFYRLRL
 VEDGLYGAPEPNGSWTGMVGELINRKADLAVAAFTITAEREKVIDFSKPFMTLGISIL
 YRVHMGRKPGYFSFLDPFSPAVWLFMLLAYLAVSCVLFLAARLSPYEWYNPHPCLR
 ARPHILENQYTLGNSLWFPVGGFMQQGSEIMPRALSTRCVSGVWWAFTLIISSTYA
 NLAAFLTVQRMVPEVESADDLADQTNIEYGTIHAGSTMTFFQNSRYQTYQRMWNY
 MQSKQPSVFKSTEEGIARVLNSRYAFLLESTMNEYHRRNLNCNLTQIGGLDTKGYG
 IGMPLGSPFRDEITLAILQLQENNRLEILKRKWWEGGRCPKEEDHRAKGLGMENIGG
 IFIVLICGLIAVFVAVMEFIWSTRRSAESEEVSVCQEMQLQELRHAVSCRKTSRSRRRR
 RPPGSPSRALLSLRAVREMRLSNGKLYSAGAGGDAGSAHGGPQRLDDPGPPSGA
 RPAAPTCTHVRVCQECRRIQALRASGAGAPPRGLGVPAEATSPPRPRPGPAGPR
 ELAEHE

Applications

Antibody Production
 Functional Study
 Compound Screening

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

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name

GRIK5 glutamate receptor, ionotropic, kainate 5 [Homo sapiens]

Official Symbol

GRIK5

Synonyms

GRIK5; glutamate receptor, ionotropic, kainate 5; GRIK2; glutamate receptor, ionotropic kainate 5; GluK5; KA2; glutamate receptor KA2; glutamate receptor KA-2;

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excitatory amino acid receptor 2; EAA2;

Gene ID 2901**mRNA Refseq** NM_002088**Protein Refseq** NP_002079**MIM** 600283**UniProt ID** Q16478 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