

Recombinant Human GRIK5 Protein

Cat. No. GRIK5-5341H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GRIK5 full-length ORF (AAI68375.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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	MPAELLLLLLIVAFASPCQVLSSLRMAAILDDQTVCGRGERLALALAREQINGIIEVPA KARVEVDIFELQRDSQYETDTMCQILPKGVVSVLGPSSSPASASTVSHICGEKEIPH IKVGPEETPRLQYLRFASVSLYPSNEDVSLAVSRILKSFNYPSASLICAKAECLLRLEE LVRGFLISKETLSVRMLDDSRDPTPLLKEIRDDKVSTIIIDANASISHLILRKASELGMTS AFYKYILTTMDFPILHLDGIVEDSSNILGFSMFNTSHPFYPEFVRS LNMSWRENCEAS TYLGPALSAALMFDVAVHVVVSAVRELNRSQEIGVKPLACTSANIWPHGTSLMNYLRM VEYDGLTGRVEFNSKQQRNTNYTLRILEKSRQGHREIGVWYSNR TLAMNATTL DINLS QTLANKTLVVTILENPYVMRRPNFQALSGNERFEGFCVDMLRELAELLRFYRLRL

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VEDGLYGAPEPNGSWTGMV GELINRKADLAVAAFTITAEREKVIDFSKPFMTLGISIL
 YRVHMGRKPGYFSFLDPFSPAVWLFMLLAYLAVSCVLF LAARLSPYEWYNPHPCLR
 ARPHILENQYTLGNSLWFPVGGFMQQGSEIMPRALSTRCVSGVWWAFTLIISSYTA
 NLA AFLTVQRMEVPVESADDLADQTNIEYGTIHAGSTM TFFQNSRYQTYQRMWNY
 MQSKQPSV FVKSTEEGIARVLNSRYAFLESTMNEYHRR LNCNLTQIGLLDTKGYG
 IGMP LGS PFRDEITLAILQLQENNRLEILKRKWWEGGRCPKEEDHRAKGLGMENIGG
 IFIVLICGLI IAVFVAVMEFIWSTRRSAESEEVSVCQEM LQELRHAVSCRKTSRSRRRR
 R PGGPSRALLSLRAVREMRLSNGKLYSAGAGGDAGSAHG GPQRLLDDPGPPSGA
 RPAAPT PCTHVRVCQECRRIQALRASGAGAPPRGLGVPAEATSPPRPRPGPAGPR
 ELAEHE

Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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,

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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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