

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	MPAELLLLLIVAFASPSCQVLSSLRMAAILDDQTVCGRGERLALALAREQINGIIEVPA KARVEVDIFELQRDSQYETTDTCQILPKGVS SVLGPSSSPASASTVSHICGEKEIPH IKVGPEETPRLQYLRFASVSLYPSNEDVSLAVSRILKSFNYP SASLICAKAECLLRLEE LVRGFLISKETLSVRMLDDSRDPTPLLKEIRDDKVSTIIIDANASISHLILRKASELGMTS AFYKYILTMTDFPILHLDGIVEDSSNILGFSMFNTSHPFYPEFVRSLNMSWRENCEAS TYLGPALSAALMFDVAVHVVSAVRELNRSQEIGVKPLACTSANIWPHGTSLMNYLRM VEYDGLTGRVEFNSKQGQRTNYTLRILEKSRQGHREIGVWYSNRTLAMNATTLDINLS QTLANKTLVVTILENPYVMRRPNFQALSGNERFEGFCVDMLRELAELLRFYRLRL

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VEDGLYGAPEPNGSWTGMVGELINRKADLAVAAFTITAEREKVIDFSKPFMTLGISIL
YRVHMGRKPGYFSFLDPFSPAVWLFMLLAYLAVSCVLFLAARLSPYEWYNPHPCLR
ARPHILENQYTLGNSLWFPVGGFMQQGSEIMPRALSTRCVSGVWWAFTLIISSTYA
NLAAFLTVQRMVPEVESADDLADQTNIEYGTIHAGSTMTFFQNSRYQTYQRMWNY
MQSKQPSVFKSTEEGIARVLNSRYAFLLESTMNEYHRRNLNCNLTQIGGLDTKGYG
IGMPLGSPFRDEITLAILQLQENNRLEILKRKWWEGGRCPKEEDHRAKGLGMENIGG
IFIVLICGLIAVFVAVMEFIWSTRRSAESEEVSVCQEMQLQELRHAVSCRKTSRSRRRR
RPGGPSRALLSLRAVREMRLSNGKLYSAGAGGDAGSAHGGPQRLLDDPGPPSGA
RPAAPTCTHVRVCQECRRIQALRASGAGAPPRGLGVPAEATSPPRPRPGPAGPR
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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