

Recombinant Full Length Human GRIK2 Protein, GST-tagged

Cat. No. GRIK2-5629HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRIK2 full-length ORF (AAH37954, 1 a.a. - 353 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	353 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. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive mental retardation. [provided by RefSeq
Molecular Mass	64.57 kDa
AA Sequence	MKIIFPILSNPVFRRTVKLLLCLLWIGYSQGTTHVLRFGGIFEYVESGPMGAEELAFRF AVNTINRNRNTLLPNTTLLTYDTQKINLYDSFEASKKACDQLSLGVAAIFGPSHSSSANA VQSICNALGVPHIQTRWKHQVSDNKDSFYVSLYPDFSSLSRAILDVQFFKWKTDTV VYDDSTGLIRLQELIKAPSRYNLRKIRQLPADTKDAKPLLKEMKRGKEFHVIFDCSH

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EMAAGILKQALAMGMMTEYYHYIFTTLDLFALDVEPYRYSGVNMTGFRILNTENTQV
 SSIIKWSMERLQAPPKPDSGLLDGFMTMEFHSCCPGWSAMARSHLTAASASWVQ
 AILLQPPE

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

GRIK2 glutamate receptor, ionotropic, kainate 2 [Homo sapiens]

Official Symbol

GRIK2

Synonyms

GRIK2; glutamate receptor, ionotropic, kainate 2; GLUR6; glutamate receptor, ionotropic kainate 2; GluK2; MRT6; gluR-6; bA487F5.1; glutamate receptor 6; glutamate receptor form A; glutamate receptor form B; glutamate receptor form C; glutamate receptor form D; glutamate receptor form E; excitatory amino acid receptor 4; EAA4; GLR6; GLUK6; MGC74427;

Gene ID

2898

mRNA Refseq

NM_001166247

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Protein Refseq	NP_001159719
MIM	138244
UniProt ID	Q13002

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