Recombinant Human GRIK2 Protein, GST-tagged

Cat. No. GRIK2-5337H **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	Wheat Germ
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 AVNTINRNRTLLPNTTLTYDTQKINLYDSFEASKKACDQLSLGVAAIFGPSHSSSANA VQSICNALGVPHIQTRWKHQVSDNKDSFYVSLYPDFSSLSRAILDLVQFFKWKTVTV VYDDSTGLIRLQELIKAPSRYNLRLKIRQLPADTKDAKPLLKEMKRGKEFHVIFDCSH EMAAGILKQALAMGMMTEYYHYIFTTLDLFALDVEPYRYSGVNMTGFRILNTENTQV

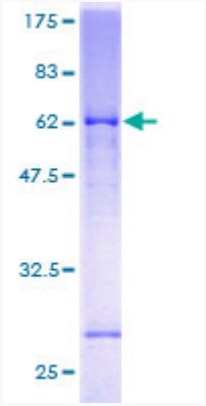
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	SSIIEKWSMERLQAPPKPDSGLLDGFMTMEFHSCCPGWSAMARSHLTAASASWVQ AILLPQPPE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of 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
Protein Refseq	NP_001159719

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MIM	138244
UniProt ID	Q13002
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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