

Recombinant Human GRIK1 Protein, GST-tagged

Cat. No. GRIK1-5336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRIK1 partial ORF (NP_000821, 331 a.a. - 440 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 (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene. [provided by RefSeq]
Molecular Mass	37.84 kDa
AA Sequence	VAIAASHRASQLTVSSLQCHRHKWPRLGPRFMNLIKEARWDGLTGHITFNKTNGLRK DFDLDIISLKEEGTEKAAGEVSKHLYKVVWKKIGIWNSNSGLNMTDSNKDKSSNI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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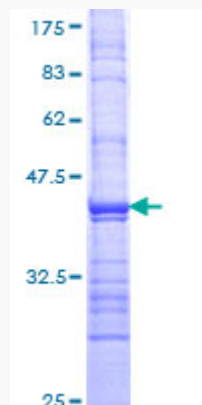
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GRIK1 glutamate receptor, ionotropic, kainate 1 [Homo sapiens]
Official Symbol	GRIK1
Synonyms	GRIK1; glutamate receptor, ionotropic, kainate 1; GLUR5; glutamate receptor, ionotropic kainate 1; GluK1; gluR-5; glutamate receptor 5; excitatory amino acid receptor 3; EAA3; EEA3; GLR5;
Gene ID	2897
mRNA Refseq	NM_000830
Protein Refseq	NP_000821
MIM	138245
UniProt ID	P39086

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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