

## Recombinant Human GRIK1 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human GRIK1 partial ORF ( NP_000821, 331 a.a. - 440 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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-&gt;CGG; Q-&gt;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</p>
<b>Molecular Mass</b>	37.84 kDa
<b>AA Sequence</b>	VAIASHRASQLTVSSLQCHRHKPWRLGPRFMNLIKEARWDGLTGHITFNKTNGLRK DFDLDIISLKEEGTEKAAGEVSKHLYKVVWKKIGIWNSNSGLNMTDSNKDKSSNI
<b>Applications</b>	<p>Enzyme-linked Immunoabsorbent Assay            Western Blot (Recombinant protein)            Antibody Production            Protein Array</p>

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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

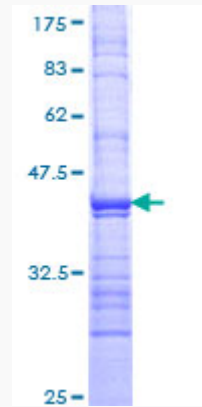
<b>Gene Name</b>	GRIK1 glutamate receptor, ionotropic, kainate 1 [ Homo sapiens ]
<b>Official Symbol</b>	GRIK1
<b>Synonyms</b>	GRIK1; glutamate receptor, ionotropic, kainate 1; GLUR5; glutamate receptor, ionotropic kainate 1; GluK1; gluR-5; glutamate receptor 5; excitatory amino acid receptor 3; EAA3; EEA3; GLR5;
<b>Gene ID</b>	2897
<b>mRNA Refseq</b>	NM_000830
<b>Protein Refseq</b>	NP_000821
<b>MIM</b>	138245
<b>UniProt ID</b>	P39086

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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