

Recombinant Human GRIA3 cell lysate

Cat. No. GRIA3-752HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

GRIA3 glutamate receptor, ionotropic, AMPA 3 [Homo sapiens]

Official Symbol

GRIA3

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Synonyms	GRIA3; glutamate receptor, ionotropic, AMPA 3; GLUR3, glutamate receptor, ionotropic, AMPA 3; glutamate receptor 3; GluA3; GLURC; MRX94; gluR-3; dJ1171F9.1; glutamate receptor C; glutamate receptor subunit 3; AMPA-selective glutamate receptor 3; glutamate receptor, ionotropic, AMPA 3; GLUR3; GLUR-C; GLUR-K3;
Gene ID	2892
mRNA Refseq	NM_000828
Protein Refseq	NP_000819
MIM	305915
UniProt ID	P42263
Chromosome Location	Xq25
Pathway	Activation of AMPA receptors, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; Glutamate Binding, Activation of AMPA Receptors and Synaptic Plasticity, organism-specific biosystem;
Function	PDZ domain binding; alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate selective glutamate receptor activity; extracellular-glutamate-gated ion channel activity; ion channel activity; receptor activity;

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