



GRIK5 blocking peptide (CDBP5507)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	GRIK5 glutamate receptor, ionotropic, kainate 5 [Homo sapiens (human)]
Official Symbol	GRIK5
Synonyms	GRIK5; glutamate receptor, ionotropic, kainate 5; KA2; EAA2; GRIK2; GluK5; glutamate receptor ionotropic, kainate 5; glutamate receptor KA2; excitatory amino acid receptor 2
Entrez Gene ID	2901

mRNA Refseq	NM_001301030
Protein Refseq	NP_001287959
UniProt ID	Q16478
Pathway	Activation of Ca-permeable Kainate Receptor; Activation of Kainate Receptors upon glutamate binding; Glutamatergic synapse; Ionotropic activity of Kainate Receptors; Neuroactive ligand-receptor interaction; Neuronal System; Neurotransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell; Transmission across Chemical Synapses
Function	PDZ domain binding; SH3 domain binding; extracellular-glutamate-gated ion channel activity; identical protein binding; kainate selective glutamate receptor activity
