

Recombinant Human GRIK4

Cat. No. GRIK4-29879TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human KA1 with a N terminal proprietary tag: predicted molecular weight 37.73 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
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.
Molecular Weight	37.730kDa
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids SPHSLRIAAILDDPMECSRGERLSITLAKNRINRAPERLG KAKVEVDIFELLRDSEYET AETMCQILPKGVVAVLGPSSS PASSSIISNICGEKEVPHFKVAPEEFVKFQ

Sequence Similarities Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIK4 subfamily.

GENE INFORMATION

Gene Name GRIK4 glutamate receptor, ionotropic, kainate 4 [Homo sapiens]

Official Symbol GRIK4

Synonyms GRIK4; glutamate receptor, ionotropic, kainate 4; GRIK; glutamate receptor, ionotropic kainate 4; KA1;

Gene ID 2900

mRNA Refseq NM_014619

Protein Refseq NP_055434

MIM 600282

Uniprot ID Q16099

Chromosome Location 11q

Pathway Activation of Ca-permeable Kainate Receptor, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific

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biosystem; Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; Ionotropic activity of Kainate Receptors, organism-specific biosystem;

Function

extracellular-glutamate-gated ion channel activity; ion channel activity; kainate selective glutamate receptor activity; receptor activity;

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