

Recombinant Human GRIK2 Protein, Fc-tagged

Cat. No. GRIK2-675H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GRIK2 (NP_001159719.1) (Met1-Pro561) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-561 a.a.
Predicted N Terminal	Thr 32
Form	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
Molecular Mass	The recombinant human GRIK2 consists 768 amino acids and predicts a molecular mass of 86.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name GRIK2 glutamate receptor, ionotropic, kainate 2 [Homo sapiens]

Official Symbol GRIK2

Synonyms GRIK2; glutamate receptor, ionotropic, kainate 2; GLUR6; glutamate receptor, ionotropic kainate 2; GluK2; MRT6; gluR-6; bA487F5.1; glutamate receptor 6; glutamate receptor form A; glutamate receptor form B; glutamate receptor form C; glutamate receptor form D; glutamate receptor form E; excitatory amino acid receptor 4; EAA4; GLR6; GLUK6; MGC74427;

Gene ID 2898

mRNA Refseq NM_001166247

Protein Refseq NP_001159719

MIM 138244

UniProt ID Q13002

Chromosome Location 6q16.3

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

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biosystem; Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; Ionotropic activity of Kainate Receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem;

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