

## Recombinant Human GRIN2C 293 Cell Lysate

**Cat. No.** GRIN2C-5744HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for glutamate receptor, ionotropic, N-methyl D-aspartate 2C (GRIN2C) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [GRIN2C glutamate receptor, ionotropic, N-methyl D-aspartate 2C \[ Homo sapiens \]](#)

**Official Symbol** [GRIN2C](#)

**Synonyms** [GRIN2C](#); glutamate receptor, ionotropic, N-methyl D-aspartate 2C; NMDAR2C; glutamate [NMDA] receptor subunit epsilon-3; GluN2C; N-methyl D-aspartate receptor subtype 2C; N-methyl-D-aspartate receptor subunit 2C; NR2C;

**Gene ID** [2905](#)

**mRNA Refseq** [NM\\_000835](#)

**Protein Refseq** [NP\\_000826](#)

**MIM** [138254](#)

**UniProt ID** [Q14957](#)

**Chromosome Location** [17q25.1](#)

**Pathway** [Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem](#); [Alzheimers disease, organism-specific biosystem](#); [Alzheimers disease, conserved biosystem](#); [Amphetamine addiction, organism-specific biosystem](#); [Amphetamine addiction, conserved biosystem](#); [Amyotrophic lateral sclerosis \(ALS\), organism-specific biosystem](#); [Amyotrophic lateral sclerosis \(ALS\), conserved biosystem](#);

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**Function**

N-methyl-D-aspartate selective glutamate receptor activity; cation channel activity; extracellular-glutamate-gated ion channel activity; ion channel activity; ionotropic glutamate receptor activity; receptor activity; transporter activity;

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