Recombinant Human GRIN2C 293 Cell Lysate

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

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	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.
Components	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).
Size	0.1 mg
Storage Instruction	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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	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 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

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	sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
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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