

Recombinant Human CDK5R1 293 Cell Lysate

Cat. No. CDK5R1-7625HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for cyclin-dependent kinase 5, regulatory subunit 1 (p35) (CDK5R1) 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.
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

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

GENE INFORMATION

Gene Name	CDK5R1 cyclin-dependent kinase 5, regulatory subunit 1 (p35) [Homo sapiens]
Official Symbol	CDK5R1
Synonyms	CDK5R1; cyclin-dependent kinase 5, regulatory subunit 1 (p35); cyclin-dependent kinase 5 activator 1; Nck5a; p35nck5a; CDK5 activator 1; neuronal CDK5 activator; TPKII regulatory subunit; regulatory partner for CDK5 kinase; tau protein kinase II 23kDa subunit; cyclin-dependent kinase 5 regulatory subunit 1; p23; p25; p35; CDK5R; NCK5A; CDK5P35; MGC33831;
Gene ID	8851
mRNA Refseq	NM_003885
Protein Refseq	NP_003876
MIM	603460
UniProt ID	Q15078
Chromosome Location	17q12
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Axon guidance, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Developmental Biology,

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organism-specific biosystem;

Function

cadherin binding; calcium ion binding; cyclin-dependent protein kinase 5 activator activity; kinase activity; protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activator activity; protein serine/threonine kinase activator activity;

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