

Recombinant Human CDK5R1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

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signaling, organism-specific biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Developmental Biology, 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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