

Recombinant Human PCBP1 293 Cell Lysate

Cat. No. PCBP1-3403HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for poly(rC) binding protein 1 (PCBP1) 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

PCBP1 poly(rC) binding protein 1 [Homo sapiens]

Official Symbol

PCBP1

Synonyms

PCBP1; poly(rC) binding protein 1; poly(rC)-binding protein 1; heterogeneous nuclear ribonucleoprotein E1; hnRNP E1; hnRNP X; HNRPE1; HNRPX; alpha-CP1; nucleic acid-binding protein SUB2.3; heterogenous nuclear ribonucleoprotein X; heterogenous nuclear ribonucleoprotein E1; hnRNP-X; hnRNP-E1;

Gene ID

5093

mRNA Refseq

NM_006196

Protein Refseq

NP_006187

MIM

601209

UniProt ID

Q15365

Chromosome Location

2p13-p12

Pathway

Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; mRNA Splicing, organism-specific

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biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem;

Function

DNA binding; RNA binding; protein binding; single-stranded DNA binding;

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