

Recombinant Human PADI1 293 Cell Lysate

Cat. No. PADI1-3471HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for peptidyl arginine deiminase, type I (PADI1) 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

[PADI1](#) [peptidyl arginine deiminase, type I \[Homo sapiens \]](#)

Official Symbol

PADI1

Synonyms

PADI1; peptidyl arginine deiminase, type I; protein-arginine deiminase type-1; hPAD colony 10; HPAD10; PAD1; PDI; PDI1; peptidylarginine deiminase type I; protein arginine deiminase type 1; hPAD-colony 10; peptidylarginine deiminase I; protein-arginine deiminase type I;

Gene ID

[29943](#)

mRNA Refseq

[NM_013358](#)

Protein Refseq

[NP_037490](#)

MIM

[607934](#)

UniProt ID

[Q9ULC6](#)

Chromosome Location

1p36.13

Pathway

protein citrullination, organism-specific biosystem; protein citrullination, conserved biosystem;

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Function

calcium ion binding; hydrolase activity; protein-arginine deiminase activity;

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