

Recombinant Human PAX8 293 Cell Lysate

Cat. No. PAX8-3412HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for paired box 8 (PAX8), transcript variant PAX8A 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 [PAX8 paired box 8 \[Homo sapiens \]](#)

Official Symbol PAX8

Synonyms PAX8; paired box 8; paired box gene 8; paired box protein Pax-8; paired domain gene 8;

Gene ID [7849](#)

mRNA Refseq [NM_003466](#)

Protein Refseq [NP_003457](#)

MIM [167415](#)

UniProt ID [Q06710](#)

Chromosome Location 2q13

Pathway Id Signaling Pathway, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Thyroid cancer, organism-specific biosystem; Thyroid cancer, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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Function

DNA binding; DNA binding; RNA polymerase II core promoter sequence-specific DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; thyroid-stimulating hormone receptor activity; transcription regulatory region DNA binding;

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