

Recombinant Human POU2F1 293 Cell Lysate

Cat. No. POU2F1-3003HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for POU class 2 homeobox 1 (POU2F1) 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

[POU2F1](#) POU class 2 homeobox 1 [[Homo sapiens](#)]

Official Symbol

POU2F1

Synonyms

POU2F1; POU class 2 homeobox 1; OTF1, POU domain class 2, transcription factor 1; POU domain, class 2, transcription factor 1; OCT1; NF-A1; OTF-1; oct-1; octamer-binding protein 1; Octamer-binding transcription factor-1; octamer-binding transcription factor 1; OTF1; oct-1B; FLJ42836;

Gene ID

[5451](#)

mRNA Refseq

[NM_001198783](#)

Protein Refseq

[NP_001185712](#)

MIM

[164175](#)

UniProt ID

[P14859](#)

Chromosome Location

1q24.2

Pathway

ATF-2 transcription factor network, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Calcium

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signaling in the CD4+ TCR pathway, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Gene Expression, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;

Function

protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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