

Recombinant Human POU2F1 293 Cell Lysate

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

SPECIFICATION

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.
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

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

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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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