

Recombinant Human EPAS1 293 Cell Lysate

Cat. No. EPAS1-6588HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for endothelial PAS domain protein 1 (EPAS1) 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

EPAS1 endothelial PAS domain protein 1 [Homo sapiens]

Official Symbol

EPAS1

Synonyms

EPAS1; endothelial PAS domain protein 1; endothelial PAS domain-containing protein 1; bHLHe73; HIF 1 alpha like factor; HIF2A; HLF; MOP2; PASD2; EPAS-1; HIF2-alpha; HIF-2-alpha; HIF-1alpha-like factor; HIF-1-alpha-like factor; member of PAS protein 2; PAS domain-containing protein 2; hypoxia-inducible factor 2 alpha; hypoxia-inducible factor 2-alpha; basic-helix-loop-helix-PAS protein MOP2; class E basic helix-loop-helix protein 73; ECYT4;

Gene ID

2034

mRNA Refseq

NM_001430

Protein Refseq

NP_001421

MIM

603349

UniProt ID

Q99814

Chromosome Location

2p21-p16

Pathway

Adipogenesis, organism-specific biosystem; HIF-2-alpha transcription factor network,

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organism-specific biosystem; Pathways in cancer, organism-specific biosystem;
Renal cell carcinoma, organism-specific biosystem; Renal cell carcinoma, conserved
biosystem; Signaling events mediated by VEGFR1 and VEGFR2, organism-specific
biosystem;

Function

DNA binding; histone acetyltransferase binding; protein binding; protein
heterodimerization activity; contributes_to sequence-specific DNA binding; sequence-
specific DNA binding transcription factor activity; signal transducer activity;
transcription factor binding;

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