Recombinant Human HIF3A 293 Cell Lysate

Cat. No. HIF3A-5563HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for hypoxia inducible factor 3, alpha subunit (HIF3A), transcript variant 3 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	HIF3A hypoxia inducible factor 3, alpha subunit [Homo sapiens]
Official Symbol	HIF3A
Synonyms	HIF3A; hypoxia inducible factor 3, alpha subunit; hypoxia-inducible factor 3-alpha; bHLHe17; IPAS; MOP7; PASD7; HIF3-alpha-1; member of PAS protein 7; inhibitory PAS domain protein; PAS domain-containing protein 7; basic-helix-loop-helix-PAS protein MOP7; class E basic helix-loop-helix protein 17; HIF-3A;
Gene ID	64344
mRNA Refseq	NM_022462
Protein Refseq	NP_071907
MIM	609976
UniProt ID	Q9Y2N7
Chromosome Location	19q13
Pathway	Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem;

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Function	DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;

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