

Recombinant Human HIF1AN 293 Cell Lysate

Cat. No. HIF1AN-5564HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for hypoxia inducible factor 1, alpha subunit inhibitor (HIF1AN) 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	HIF1AN hypoxia inducible factor 1, alpha subunit inhibitor [Homo sapiens]
Official Symbol	HIF1AN
Synonyms	HIF1AN; hypoxia inducible factor 1, alpha subunit inhibitor; hypoxia-inducible factor 1-alpha inhibitor; DKFZp762F1811; FIH1; FLJ20615; FLJ22027; Peptide aspartate beta dioxygenase; FIH-1; factor inhibiting HIF1; factor inhibiting HIF-1; peptide-aspartate beta-dioxygenase; hypoxia-inducible factor asparagine hydroxylase;
Gene ID	55662
mRNA Refseq	NM_017902
Protein Refseq	NP_060372
MIM	606615
UniProt ID	Q9NWT6
Chromosome Location	10q24
Pathway	HIF-2-alpha transcription factor network, organism-specific biosystem; Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem;
Function	NF-kappaB binding; ankyrin repeat binding; carboxylic acid binding; cofactor binding; iron ion binding; metal ion binding; oxidoreductase activity; oxidoreductase activity,

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acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; peptide-aspartate beta-dioxygenase activity; protein binding; protein homodimerization activity; zinc ion binding;

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