Recombinant Human EGLN2 293 Cell Lysate

Cat. No. EGLN2-6695HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for egl nine homolog 2 (C. elegans) (EGLN2), transcript variant 1 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	EGLN2 egl nine homolog 2 (C. elegans) [Homo sapiens]
Official Symbol	EGLN2
Synonyms	EGLN2; egl nine homolog 2 (C. elegans); EGL nine (C.elegans) homolog 2; egl nine homolog 2; HIF prolyl hydroxylase 1; HIFPH1; PHD1; estrogen-induced tag 6; HIF-prolyl hydroxylase 1; hypoxia-inducible factor prolyl hydroxylase 1; prolyl hydroxylase domain-containing protein 1; EIT6; HPH-1; HPH-3; HIF-PH1; FLJ95603; DKFZp434E026;
Gene ID	112398
mRNA Refseq	NM_053046
Protein Refseq	NP_444274
MIM	606424
UniProt ID	Q96KS0
Chromosome Location	19q13
Pathway	HIF-2-alpha transcription factor network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Renal cell carcinoma, organism-specific

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	biosystem; Renal cell carcinoma, conserved biosystem;
Function	L-ascorbic acid binding; ferrous iron binding; metal ion binding; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; oxygen sensor activity;

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