Recombinant Human EGLN1 293 Cell Lysate

Cat. No. EGLN1-6696HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for egl nine homolog 1 (C. elegans) (EGLN1) 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	EGLN1 egl nine homolog 1 (C. elegans) [Homo sapiens]
Official Symbol	EGLN1
Synonyms	EGLN1; egl nine homolog 1 (C. elegans); C1orf12, EGL nine (C.elegans) homolog 1; egl nine homolog 1; HIF prolyl hydroxylase 2; HIFPH2; PHD2; SM 20; ZMYND6; egl nine-like protein 1; HIF-prolyl hydroxylase 2; zinc finger MYND domain-containing protein 6; hypoxia-inducible factor prolyl hydroxylase 2; prolyl hydroxylase domain-containing protein 2; HPH2; SM20; ECYT3; HPH-2; C1orf12; HIF-PH2; DKFZp761F179;
Gene ID	54583
mRNA Refseq	NM_022051
Protein Refseq	NP_071334
MIM	606425
UniProt ID	Q9GZT9
Chromosome Location	1q42.1
Pathway	HIF-1-alpha transcription factor network, organism-specific biosystem; HIF-2-alpha

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	transcription factor network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Renal cell carcinoma, organism-specific biosystem; Renal cell carcinoma, conserved biosystem;
Function	L-ascorbic acid binding; iron ion binding; metal ion binding; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; peptidyl-proline dioxygenase activity; protein binding; zinc ion binding;

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