Recombinant Human EGR2 293 Cell Lysate

Cat. No. EGR2-6691HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for early growth response 2 (EGR2), 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	EGR2 early growth response 2 [Homo sapiens]
Official Symbol	EGR2
Synonyms	EGR2; early growth response 2; early growth response 2 (Krox 20 homolog, Drosophila) , KROX20; E3 SUMO-protein ligase EGR2; Krox 20 homolog; Drosophila; zinc finger protein Krox-20; early growth response protein 2; KROX-20, Drosophila, homolog (early growth response-2); AT591; CMT1D; CMT4E; KROX20; FLJ14547; DKFZp686J1957;
Gene ID	1959
mRNA Refseq	NM_000399
Protein Refseq	NP_000390
MIM	129010
UniProt ID	P11161
Chromosome Location	10q21.1
Pathway	Adipogenesis, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Developmental Biology,

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	organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; IL4-mediated signaling events, organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;
Function	DNA binding; RNA polymerase II activating transcription factor binding; chromatin binding; ligase activity; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding; ubiquitin protein ligase binding; zinc ion binding;

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