Recombinant Human EGR1 293 Cell Lysate

Cat. No. EGR1-6692HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for early growth response 1 (EGR1) 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	EGR1 early growth response 1 [Homo sapiens]
Official Symbol	EGR1
Synonyms	EGR1; early growth response 1; early growth response protein 1; AT225; G0S30; KROX 24; nerve growth factor induced protein A; NGFI A; TIS8; transcription factor ETR103; ZIF 268; zinc finger protein 225; ZNF225; EGR-1; transcription factor Zif268; zinc finger protein Krox-24; nerve growth factor-induced protein A; NGFI-A; KROX-24; ZIF-268;
Gene ID	1958
mRNA Refseq	NM_001964
Protein Refseq	NP_001955
MIM	128990
UniProt ID	P18146
Chromosome Location	5q23-q31
Pathway	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Glucocorticoid

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	receptor regulatory network, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;
Function	DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity; double-stranded DNA binding; histone acetyltransferase binding; metal ion binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region sequence-specific DNA binding; zinc ion binding;

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