

## Recombinant Human EGR1 293 Cell Lysate

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

### SPECIFICATION

#### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | 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.                                                                                                                     |
| <b>Components</b>          | 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). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | 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** [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

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biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Glucocorticoid 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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