

## Recombinant Human EGR1

Cat. No. EGR1-28467TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 444-543 of Human Egr1 with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene.
<b>Molecular Weight</b>	36.630kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Sequences of amino acids** SPVATSYSPVTTSYSPATTSYSPVPTSFSSPGSSTYSPVHSGFPSPSVATTYS  
SVPPAFPAQVSSFPSSAVTNSFSASTGLSDMTATFSPRTIEIC

**Sequence Similarities** Belongs to the EGR C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers.

## 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;

**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;

**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;

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