

Recombinant Human EGR1

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

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 444-543 of Human Egr1 with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	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.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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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

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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