

Recombinant Human Early Growth Response 1

Cat. No. EGR1-2120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Early Growth Response 1 was produced in <i>Sf9 cells</i> .
Species	Human
Source	Sf9 Cells
Protein Length	1-543 aa
Description	The recombinant EGR-1 protein can be employed in the following fields of research: a) Promoter studies: Identification of EGR-1 binding promoter elements. b) Detection of EGR-1 interacting proteins. c) Signal transduction: Assay for the effect on the nuclear component EGR-1. d) Screening for EGR-1 activity in tumor cells and lines. e) Drug screening: Effect on EGR-1 generation and DNA binding.
Formulation	Liquid. In 20mM HEPES, pH 7.9, containing 25% glycerol, 420mM sodium chloride, 0.2mM EDTA and 1.5mM magnesium chloride.
Quantity	50μl corresponding to >25 band forming units (BFU). Sufficient for performing at least 25 gel shift assays under standard conditions.
Specific Activity	>0.5BFU/μl 1BFU is sufficient to generate a band shift with a labelled oligonucleotide.
Specificity	Binds specifically to an oligonucleotide with the sequence GCG GGG GCG.
Application	EMSA promoter characterization, in vitro transcription assays, analysis of nuclear

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extracts (oligonucleotides and recombinant protein serve as a positive control).

Storage Store at -80°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name [EGR1 early growth response 1 \[Homo sapiens \]](#)

Synonyms EGR1; early growth response 1; TIS8; AT225; G0S30; NGFI-A; ZNF225; KROX-24; ZIF-268; EGR-1; zinc finger protein 225; transcription factor ETR103; transcription factor Zif268; zinc finger protein Krox-24; early growth response protein 1; nerve growth factor-induced protein A; KROX24; Protein Krox-243

Gene ID [1958](#)

mRNA Refseq [NM_001964](#)

Protein Refseq [NP_001955](#)

MIM [128990](#)

UniProt ID P18146

Chromosome Location 5q31.1

Pathway Prion diseases

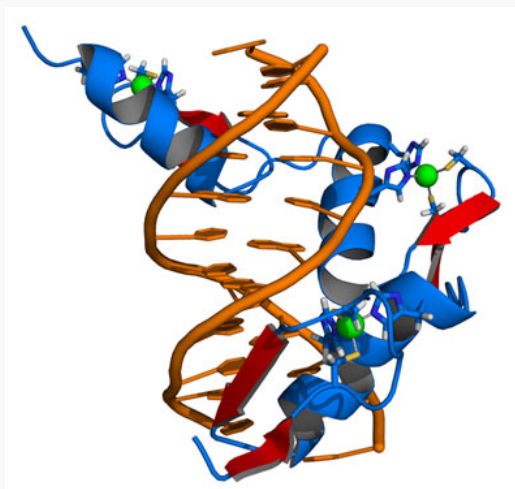
Function DNA binding; double-stranded DNA binding; metal ion binding; protein binding; sequence-specific DNA binding; transcription activator activity; transcription factor activity; zinc ion binding

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Cartoon representation of Zif268 (blue) containing three zinc fingers in complex with DNA (orange). The coordinating amino acid residues of the middle zinc ion (green) are highlighted.



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