Recombinant Human Early Growth Response 3

Cat. No. EGR3-2083H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Early Growth Response 3 is produced in*Sf9 Cells*.
Species	Human
Source	Sf9 Cells
Description	The recombinant EGR-3 protein can be employed in the following fields of research: a) Promoter studies: Identification of EGR-3 binding promoter elements. b) Detection of EGR-3 interacting proteins. c) Signal transduction: Assay for the effect on the nuclear component EGR-3. d) Screening for EGR-3 activity in tumor cells and lines. e) Drug screening: Effect on EGR-3 generation and DNA binding.
Purity	≥95% (SDS-PAGE).
Formulation	Liquid. In 20mM HEPES, pH 7.9, containing 25% glycerol, 420mM sodium chloride, 0.2mM EDTA and 1.5mM magnesium chloride.
Specificity	Binds specifically to an oligonucleotide with the sequence GCG GGG GCG.
Application	EMSA promoter characterization, in vitro transcription assay, analysis of nuclear extracts (oligonucleotides and recombinant protein serve as positive control).
Storage	-80°C. Avoid freeze/thaw cycles.

GENE INFORMATION

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

Gene Name	EGR3 early growth response 3 [Homo sapiens]
Synonyms	EGR3; early growth response 3; PILOT; MGC138484; early growth response protein 3; EGR-3; zinc finger protein pilot
Gene ID	1960
mRNA Refseq	NM_004430
Protein Refseq	NP_004421
MIM	602419
UniProt ID	Q06889
Chromosome Location	8p23-p21
Pathway	Cytokine-cytokine receptor interaction
Function	metal ion binding; transcription factor activity; zinc ion binding

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