

## 32-8251: Recombinant Human Early Growth Response Protein 1/EGR1/ZNF225 (N-6His)

**Gene :** EGR1  
**Gene ID :** 1958  
**Uniprot ID :** P18146

### Description

Source: E. coli.  
MW :19.9kD.

Recombinant Human Early growth response protein 1 is produced by our E.coli expression system and the target gene encoding Gln282-Ser433 is expressed with a 6His tag at the N-terminus. EGR-1 belongs to the EGR family of C2H2-type zinc finger proteins. It is a nuclear protein and functions as a transcriptional regulator. EGR-1 recognizes and binds to the DNA sequence 5'-CGCCCCGC-3'(EGR-site).The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a tumor suppressor gene. EGR-1 has a distinct pattern of expression in the brain, and its induction has been shown to be associated with neuronal activity. Several studies suggest it has a role in neuronal plasticity. EGR-1 has also been found to regulate the expression of synaptobrevin II (a protein important for synaptic exocytosis).

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMQPQLTPLSTIKAFATQSGSQDLKALNTSYQSQLIKPSRMKYPNRPSTPP  
HERPYACPVECDRRFRSDELTRHIRIHTGQKPFQCRICMRNFSRSDHLTTHIRHTHTGKPFACDICGRKFARS  
DERKRHTKIHLRQDKKADKSVVAS

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.