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Datasheet for ABIN7318419 EGR1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	EGR1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGR1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EGR1 Protein (His Tag)
Sequence:	Gln282-Ser433
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	EGR1
Alternative Name:	EGR1 (EGR1 Products)
Background:	Background: 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

Target Details

sequence 5'-CGCCCCCGC-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).

Synonym: EGR-1, Early growth response protein 1, Zif268, zinc finger protein 225, NGFI-A , nerve growth factor-induced protein A,

Molecular Weight: 19.9 kDa

UniProt: [P18146](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.