

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

Cat.NO.: TP05951

3th Edition

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

Description: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'-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).

Form:PBS

Molecular Weight:19.9 kDa

Sequences:Gln282-Ser433

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.