

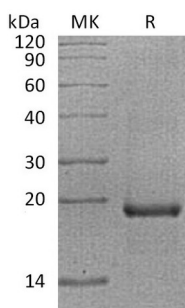
Product Name: Recombinant Human EGR1 (N-6His)
Catalog #: PEH1843



Summary

Name	Zinc finger protein 225/EGR1/ZNF225
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P18146
Host	E.coli
Species	Human
Predicted Molecular Mass	19.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names

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

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 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).

Note

For Research Use Only , Not for Diagnostic Use.