

Recombinant Human EGR2, GST-tagged

Cat. No. EGR2-12329H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGR2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	149-499a.a.
Description	The protein encoded by this gene is a transcription factor with three tandem C2H2-type zinc fingers. Defects in this gene are associated with Charcot-Marie-Tooth disease type 1D (CMT1D), Charcot-Marie-Tooth disease type 4E (CMT4E), and with Dejerine-Sottas syndrome (DSS). Multiple transcript variants encoding two different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	EGR2 early growth response 2 [Homo sapiens]
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Official Symbol	EGR2
Synonyms	EGR2; early growth response 2; early growth response 2 (Krox 20 homolog, Drosophila) , KROX20; E3 SUMO-protein ligase EGR2; Krox 20 homolog; Drosophila; zinc finger protein Krox-20; early growth response protein 2; KROX-20, Drosophila, homolog (early growth response-2); AT591; CMT1D; CMT4E; KROX20; FLJ14547; DKFZp686J1957;
Gene ID	1959
mRNA Refseq	NM_000399
Protein Refseq	NP_000390
MIM	129010
UniProt ID	P11161
Chromosome Location	10q21.1
Pathway	Adipogenesis, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Developmental Biology, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; IL4-mediated signaling events, organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;
Function	DNA binding; RNA polymerase II activating transcription factor binding; chromatin binding; ligase activity; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding; ubiqu

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