

Recombinant Human EGR2

Cat. No. EGR2-28469TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 217-293 of Human EGR2 with an N terminal proprietary tag; Predicted MWt 34.10 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	77 amino acids
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.
Molecular Weight	34.100kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	PGLFPMIPDYPGFFPSQCQRDLHGTTAGPDRKPFPCPLDTRLVPPPLTPLSTIRNFTL GGPSAGVTGPGASGGSEGPR
Sequence Similarities	Belongs to the EGR C2H2-type zinc-finger protein family.Contains 3 C2H2-type zinc fingers.
GENE INFORMATION	
Gene Name	EGR2 early growth response 2 [Homo sapiens]
Official Symbol	EGR2
Synonyms	EGR2; early growth response 2; early growth response 2 (Krox 20 homolog, Drosophila) , KROX20; early growth response protein 2; Krox 20 homolog; Drosophila;
Gene ID	1959
mRNA Refseq	NM_001136178
Protein Refseq	NP_001129650
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;

Function

DNA binding; RNA polymerase II activating transcription factor binding; chromatin binding; metal ion binding; protein binding;

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