

# Recombinant Human ELF3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ELF3-2434H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ELF3 MS Standard C13 and N15-labeled recombinant protein (NP_004424) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Transcriptional activator that binds and transactivates ETS sequences containing the consensus nucleotide core sequence GGA[AT]. Acts synergistically with POU2F3 to transactivate the SPRR2A promoter and with RUNX1 to transactivate the ANGPT1 promoter. Also transactivates collagenase, CCL20, CLND7, FLG, KRT8, NOS2, PTGS2, SPRR2B, TGFBR2 and TGM3 promoters. Represses KRT4 promoter activity. Involved in mediating vascular inflammation. May play an important role in epithelial cell differentiation and tumorigenesis. May be a critical downstream effector of the ERBB2 signaling pathway. May be associated with mammary gland development and involution. Plays an important role in the regulation of transcription with TATA-less promoters in preimplantation embryos, which is essential in preimplantation development.
<b>Molecular Mass</b>	41.5 kDa
<b>AA Sequence</b>	MAATCEISNIFSNYFSAMYSSDSTLASVPPAATFGADDLVLTLSNPQMSLEGTEKA SWLGEQPQFWSKTQVLDWISYQVEKNKYDASAIIDFSRCDMDGATLCNCALEELRLV

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FGPLGDQLHAQLRDLTSSSSDELWIIELLEKDGMAFQEALDPGPFDDQGSPFAQELL  
 DDGQQASPYHPGSCGAGAPSPGSSDVSTAGTGASRSSHSSSDSGGSDVDLDPTDG  
 KLFPSDGFDRDCKKGDPKHGKRKRGRPRKLSKEYWDCLEGKKS KHAPRGTHLWEFI  
 RDILIHPELNEGLMKWENRHEGVFKFLRSEAVAQLWGQKKKNSNMTYEKLSRAMRY  
 YYKREILERVDRRLVYKFGKNSSGWKEEEVLQSRNTRTRPLEQKLISEEDLAANDI  
 LDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ELF3 E74 like ETS transcription factor 3 [ Homo sapiens (human) ]

**Official Symbol** ELF3

**Synonyms** ELF3; E74-like factor 3 (ets domain transcription factor, epithelial-specific); ESX; ETS-related transcription factor Elf-3; EPR 1; ERT; ESE 1; epithelial-restricted with serine box; epithelium-restricted Ets protein ESX; epithelium-specific Ets transcription factor 1; E74-like factor 3 (ets domain transcription factor); ets domain transcription factor, serine box (epithelial-specific); E74-like factor 3 (ETS domain transcription factor, serine box, epithelial-specific); EPR-1; ESE-1;

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**Gene ID** 1999

**mRNA Refseq** [NM\\_004433](#)

**Protein Refseq** [NP\\_004424](#)

**MIM** 602191

**UniProt ID** [P78545](#)

**SDS-PAGE**



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