

Recombinant Mouse Elf3 Protein, Myc/DDK-tagged

Cat. No. Elf3-2797M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length E74-like factor 3 (Elf3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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, TGFB2 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.
Molecular Mass	42.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Elf3 E74-like factor 3 [Mus musculus (house mouse)]
Official Symbol	Elf3
Synonyms	ELF3; E74-like factor 3; ETS-related transcription factor Elf-3; epithelial-restricted with serine box; epithelium-restricted Ets protein ESX; epithelium-specific Ets transcription factor 1; ESX; jen; ESE-1
Gene ID	13710
mRNA Refseq	NM_007921
Protein Refseq	NP_031947
UniProt ID	Q3UPW2

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