

Product datasheet for TP300631L

ESE1 (ELF3) (NM_004433) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human E74-like factor 3 (ets domain transcription factor, epithelial-specific) (ELF3), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200631 protein sequence Red=Cloning site Green=Tags(s)

MAATCEISNIFSNYFSAMYSSSEDSTLASVPPAATFGADDLVLTLNPNQMSLEGTEKASWLGEQPQFWSKT
QVLDWISYQVEKNKYDASAIIDFSRCDMDGATLNCNCALEELRLVFGPLGDQLHAQLRDLTSSSSDELWII
ELLEKDGMAFQEALDPPFDQGSFPAQELLDDGQQASPYHPGSCGAGAPSPGSSDVSTAGTGASRSSHSS
DSGGSDVDLDPTDGLFSDGFRDCKKGDPKHGKRRGRPRKLSKEYWDCLEGKSKHAPRGTHLWEFIR
DILIHPELNEGLMKWENRHEGVFKFLRSEAVAQLWGQKKKNSNMTEKLSRAMRYYYKREILERVDGRRL
VYKFGKNSSGWKEEVLQSRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	41.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004424



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Locus ID: 1999

UniProt ID: [P78545](#), [A0A024R974](#)

RefSeq Size: 3149

Cytogenetics: 1q32.1

RefSeq ORF: 1113

Synonyms: EPR-1; ERT; ESE-1; ESX

Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified ELF3 protein (Cat# [TP300631]). The protein was produced from HEK293T cells transfected with ELF3 cDNA clone (Cat# [RC200631]) using MegaTran 2.0 (Cat# [TT210002]).