

Product datasheet for TP300631L

OriGene Technologies, Inc.

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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 >RC200631 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAATCEISNIFSNYFSAMYSSEDSTLASVPPAATFGADDLVLTLSNPQMSLEGTEKASWLGEQPQFWSKT QVLDWISYQVEKNKYDASAIDFSRCDMDGATLCNCALEELRLVFGPLGDQLHAQLRDLTSSSSDELSWII ELLEKDGMAFQEALDPGPFDQGSPFAQELLDDGQQASPYHPGSCGAGAPSPGSSDVSTAGTGASRSSHSS DSGGSDVDLDPTDGKLFPSDGFRDCKKGDPKHGKRKRGRPRKLSKEYWDCLEGKKSKHAPRGTHLWEFIR DILIHPELNEGLMKWENRHEGVFKFLRSEAVAQLWGQKKKNSNMTYEKLSRAMRYYYKREILERVDGRRL

VYKFGKNSSGWKEEEVLQSRN

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





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

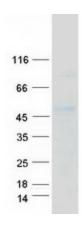
TGM3 promoters. Represses KRT4 promoter activity. Involved in mediating vascular

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]).