

Product datasheet for **SC216864**

ESE1 (ELF3) (NM_004433) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ESE1 (ELF3) (NM_004433) Human 3' UTR Clone
Symbol:	ESE1
Synonyms:	EPR-1; ERT; ESE-1; ESX
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004433
Insert Size:	1890 bp



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Insert Sequence: >SC216864 3'UTR clone of NM_004433
 The sequence shown below is from the reference sequence of NM_004433. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGGAAGAGGTTCTCCAGAGTCGGAACBGAGGGTTGGAATATACCCGGGACCAAACACACGGACCACT
CGAGGCCCTGCAAACCTTCTGGGAGGACAGGCAGGCCAGATGGCCCTCCACTGGGGAATGCTCCCAGC
TGTGCTGTGGAGAGAAGCTGATGTTTTGGTGTATTGTCAGCCATCGTCTGGGACTCGGAGACTATGGC
CTCGCCTCCCCACCCTCTCTTGGAAATACAAGCCCTGGGGTTTGAAGCTGACTTTATAGCTGCAAGTG
TATCTCTTTTATCTGGTGCCTCTCAAACCCAGTCTCAGACACTAAATGCAGACAACACCTTCTCTCT
GCAGACACCTGGACTGAGCCAAGGAGGCCCTGGGGAGGCCCTAGGGGAGCACCGTGATGGAGAGGACAGA
GCAGGGGCTCCAGCACCTTCTTTCTGGACTGGCGTTCACCTCCCTGCTCAGTGCTTGGGCTCCACGGGC
AGGGGTGACAGACTCCCTAATTTATGTGCTATATAAATATGTGATGTACATAGAGATCTATTTTTT
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TGCTGGGACCCCTTAGGATGGGGCTCCAGCTCCTTTCTCTGTGAATGGAGGCAGAGACCTCCAATAAA
GTGCTTCTGGGCTTTTTCTAACCTTTGTCTTAGCTACCTGTGTACTGAAATTTGGGCTTTGGATCGA
ATATGGTCAAGAGGTTGGAGGGGAGGAAAATGAAGGTCTACCAGGCTGAGGGTGAGGGCAAAGGCTGAC
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GAACACTGAGGTGAGAAGCATCCTGCTGTCATGACACCGCTCGAGTGACCTTGACCTTGACCAAGTCTG
TCCTGTTTAGGACTGATTTTTCTATTAGGCTAGGGTTTGGACCTGATGTTCTCAAGATGTCTAGAATT
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ATATGAATCCCAGCTTTTGTGCTGACAAAATCAGAGTTAGGATCTTGTAAAGGAAAAAAAAAAAAAAAA
CAAAACAAAATGGAGATGAGTACTTGTGAGAAAATGAGGGAAGGAGTTGGCATTGTTGAAAGTGT
AGTCTTTTTCTTTTTTTTTAATTGCAACTTTTACTTTAGATTTAGGAGGTCGTGCGCAGGTTTGT
ACATGGGTATATTGTGTGATGCTGAGCTTGGGATGCGAATGATCCTGTCACCCAGGTAGTGAGTATAGC
ACCCAGTGAACTGTAGTCTCATGCCAGGCACTGTGCTAGCCACTCTGGCTCATTTAATCTCTCCTA
AGAAGAGAGGAGACACAGCGTCCCCATTTGACAGATGCAGAAAAGAGGTTCCACAGGTGTGCCTTGATTC
TGTCTAAAACCGTTTTCCCGAAGCTTTTCTGGTGTGGGCGCTTCTAACCTAATCTCAATCGATTCC
AGAACTATTACTCTGTTCCACAGTGATACTGTGTCTAGGTTTTAGGGAGGACAGTTCATTGATGTTAC
TTAAGAATGCTTTCCAGGTGAAAAGTTCCTTAAGTTTGAAGCTTCAAATTCATACAGCACATTAATAAT
CCCATTATGAGTTTGAATACTGCTCTGTTGTCTTGGAAATACCAATCAGATTGTTGGCTGAAGTGAT
GTGGATAAAGAAGGGATCTTAGAAAAA
ACGCGTAAGCGGCCCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004433.5](#)

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]

Locus ID: 1999

MW: 70.1