

## Product datasheet for **RC225564L1V**

### **ESE1 (ELF3) (NM\_001114309) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | ESE1 (ELF3) (NM_001114309) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | ESE1   |
| Synonyms:                 | EPR-1; ERT; ESE-1; ESX   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001114309   |
| ORF Size:                 | 1113 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC225564).   |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_001114309.1</a>   |
| RefSeq Size:              | 3263 bp  |
| RefSeq ORF:               | 1116 bp  |
| Locus ID:                 | 1999   |
| UniProt ID:               | <a href="#">P78545</a>   |
| Cytogenetics:             | 1q32.1   |
| Protein Families:         | Transcription Factors  |
| MW:                       | 41.5 kDa   |



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**Gene 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]