

## Recombinant Human ETS1 Protein, His-tagged

**Cat. No.** ETS1-901H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human ETS1, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | <p>This gene encodes a member of the ETS family of transcription factors, which are defined by the presence of a conserved ETS DNA-binding domain that recognizes the core consensus DNA sequence GGAA/T in target genes. These proteins function either as transcriptional activators or repressors of numerous genes, and are involved in stem cell development, cell senescence and death, and tumorigenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.</p> |
| <b>Form</b>             | Lyophilized from a 0.2 M filtered solution of PBS, 1mM EDTA, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 33kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | <p>MGSSHHHHHHSSGLVPRGSHMKA AVDLKPTLTIIKTEKVDLELFPSPDMECADVPLL<br/> TPSSKEMMSQALKATFSGFTKEQQRLGIPKDPRQWTETHVRDWMWAVNEFSLKG<br/> VDFQKFCMNGAALCALGKDCFLELAPDFVGDILWEHLEILQKEDVKPYQVNGVNPA<br/> YPESRYTSDYFISYGIEHAQCVPPESEFSEPSFITESYQTLHPISSEELLSLKYENDYPS<br/> VILRDPLQTDTLQNDYFAIKQEVVTPDN</p>                                                                                                                                                                                                                               |

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|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>     | Endotoxin level is <0.1 ng/g of protein (<1EU/g).                                                                                                                                                                                                                             |
| <b>Purity</b>        | >95% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                    |
| <b>Concentration</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ETS1 v-ets erythroblastosis virus E26 oncogene homolog 1 (avian) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | ETS1                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>        | ETS1; v-ets erythroblastosis virus E26 oncogene homolog 1 (avian); EWSR2, v ets avian erythroblastosis virus E26 oncogene homolog 1; protein C-ets-1; Avian erythroblastosis virus E26 (v ets) oncogene homolog 1; ets protein; ETS 1; FLJ10768; p54; v-ets avian erythroblastosis virus E2 oncogene homolog 1; Avian erythroblastosis virus E26 (v-ets) oncogene homolog-1; ETS-1; EWSR2; |
| <b>Gene ID</b>         | 2113                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_001143820                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_001137292                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 164720                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>      | P14921                                                                                                                                                                                                                                                                                                                                                                                     |

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