

## Recombinant Human TCEAL1, His-tagged

**Cat. No.** TCEAL1-30813TH    **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human TCEAL1 Isoform 2 with C terminal His tag; 167 amino acids with tag; Predicted MWt 19.7 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>      | 159 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>        | <p>This gene encodes a member of the transcription elongation factor A (SII)-like (TCEAL) gene family. Members of this family may function as nuclear phosphoproteins that modulate transcription in a promoter context-dependent manner. The encoded protein is similar to transcription elongation factor A/transcription factor SII and contains a zinc finger-like motif as well as a sequence related to the transcription factor SII Pol II-binding region. It may exert its effects via protein-protein interactions with other transcriptional regulators rather than via direct binding of DNA. Multiple family members are located on the X chromosome. Alternative splicing results in multiple transcript variants encoding a single isoform.</p> |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Weight</b>   | 19.700kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Tissue specificity</b> | Expressed in all tissues examined. Highly expressed in heart, ovary, prostate and skeletal muscle. Moderately expressed in brain, placenta, testis and small intestine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                                 |                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | Weakly expressed in lung, liver and spleen. Expressed in several cancer cell lines.                                                                                            |
| <b>Form</b>                     | Liquid                                                                                                                                                                         |
| <b>Purity</b>                   | >90% by SDS-PAGE                                                                                                                                                               |
| <b>Storage buffer</b>           | Preservative: None<br>Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0                                                                         |
| <b>Storage</b>                  | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.                                                                |
| <b>Sequences of amino acids</b> | MDKPRKENEEEPQSAPKTDEERPPVEHSPEKQSPEEQSSEEQSSEEEFFPEELLPE<br>LLPEMLLSEERPPQEGLSRKDLFEGRPPMEQPPCGVGKHKLEEGSFKERLARSRP<br>QFRGDIHGRNLSNEEMIQAADLEEMKRVNRKLMIMHWKAKRSRPYPILEHHHHHH |
| <b>Sequence Similarities</b>    | Belongs to the TFS-II family. TFA subfamily.                                                                                                                                   |

## GENE INFORMATION

|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TCEAL1 transcription elongation factor A (SII)-like 1 [ Homo sapiens ]                                                          |
| <b>Official Symbol</b> | TCEAL1                                                                                                                          |
| <b>Synonyms</b>        | TCEAL1; transcription elongation factor A (SII)-like 1; transcription elongation factor A protein-like 1; P21; p21; pp21; SIIR; |
| <b>Gene ID</b>         | 9338                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_001006639                                                                                                                    |

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|----------------------------|--------------------------------------------------------------|
| <b>Protein Refseq</b>      | NP_001006640                                                 |
| <b>MIM</b>                 | 300237                                                       |
| <b>Uniprot ID</b>          | Q15170                                                       |
| <b>Chromosome Location</b> | Xq22.1                                                       |
| <b>Function</b>            | sequence-specific DNA binding transcription factor activity; |

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