

Recombinant Human TCEAL1, His-tagged

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

SPECIFICATION

| | |
|---------------------------|--|
| Product Overview | Recombinant full length Human TCEAL1 Isoform 2 with C terminal His tag; 167 amino acids with tag; Predicted MWt 19.7 kDa. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 159 amino acids |
| Description | 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. |
| Conjugation | HIS |
| Molecular Weight | 19.700kDa inclusive of tags |
| Tissue specificity | 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.

Form Liquid

Purity >90% by SDS-PAGE

Storage buffer Preservative: None
Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0

Storage Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Sequences of amino acids
MDKPRKENE^{EE}PQSAPKTDEERPPVEHSPEKQSP^{EE}EQS^{SEE}EQS^{SEEE}EFFPE^{ELL}PE
LLPE^{MLL}SEERPPQEGLSRKDLFEGRPPMEQPPCGV^{GKHK}LEEGSFKERLARS^RP
QFRGDIHGRNLSNEEMIQA^ADELEEMKRV^RNKLMIMHWKAKRS^RPYP^ILEHH^{HHHH}H

Sequence Similarities Belongs to the TFS-II family. TFA subfamily.

GENE INFORMATION

Gene Name TCEAL1 transcription elongation factor A (SII)-like 1 [Homo sapiens]

Official Symbol TCEAL1

Synonyms TCEAL1; transcription elongation factor A (SII)-like 1; transcription elongation factor A protein-like 1; P21; p21; pp21; SIIR;

Gene ID 9338

mRNA Refseq NM_001006639

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

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