

# Recombinant Human TFCEP2L1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** TFCEP2L1-3236H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | TFCEP2L1 MS Standard C13 and N15-labeled recombinant protein (NP_055368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Transcription factor that facilitates establishment and maintenance of pluripotency in embryonic stem cells (ESCs). With KLF2, acts as the major effector of self-renewal that mediates induction of pluripotency downstream of LIF/STAT3 and Wnt/beta-catenin signaling. Required for normal duct development in the salivary gland and kidney. Coordinates the development of the kidney collecting ducts intercalated (IC) and principal (PC) cells, which regulate acid-base and salt-water homeostasis, respectively. Regulates the expression of IC genes including subunits B1 and D2 of the V-ATPase complex, OXGR1, CA12, SLC4A1, AQP6 and IC-specific transcription factor FOXI1. Regulates also the expression of JAG1 and subsequent notch signaling in the collecting duct. JAG1 initiates notch signaling in PCs but inhibits notch signaling in ICs. Acts as a transcriptional suppressor that may suppress UBP1-mediated transcriptional activation. Modulates the placental expression of CYP11A1. |
| <b>Molecular Mass</b>   | 54.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MLFWHTQPEHYNQHNHSGSYLRDVLALPIFKQEEPQLSPENEARLPPLQYVLCAATS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

PAVKLHEETLTLYLNQGQSYEIRLLENRKLGDFFQDLNTKYVKSIIIRVVFHDDRRLQYTEH  
 QQLEGWRWSRPGDRILDIDIPLSVGILDPRASPTQLNAVEFLWDPAKRASAFIQVHCI  
 STEFTPRKHGGGEGKGVPRVQIDTFKQNGEYTEHLHSASCQIKVFKPKGADRKQK  
 TDREKMEKRTAQEKEYQPSYETTILTECSPWPDVAYQVNSAPSPSYNGSPNSFGL  
 GEGNASPTHPVEALPVGSDHLLPSASIQDAQQLHRNRFSQFCRLFASFSGADLLK  
 MSRDDLVQICGPADGIRLFNAIKGRNVRPKMTIYVCQEQNRVPLQQKRDGSGDS  
 NLSVYHAIFLEELTTLELIEKIANLYSISPQHIHRVYRQGPTGIHVVSNEMVQNFQDE  
 SCFVLSTIKAESNDGYHIILKCGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** TFCP2L1 transcription factor CP2-like 1 [ Homo sapiens (human) ]

**Official Symbol** TFCP2L1

**Synonyms** TFCP2L1; transcription factor CP2-like 1; transcription factor CP2-like protein 1; CRTR1; LBP 9; CRTR-1; transcription factor LBP-9; CP2-related transcriptional repressor 1; LBP9; LBP-9;

**Gene ID** 29842

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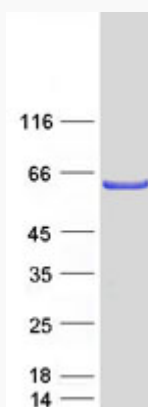
mRNA Refseq NM\_014553

Protein Refseq NP\_055368

MIM 609785

UniProt ID Q9NZI6

SDS-PAGE



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