

Datasheet for ABIN7557247

TFCP2L1 Protein (AA 1-479) (His tag)



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Overview

Quantity:	1 mg
Target:	TFCP2L1
Protein Characteristics:	AA 1-479
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TFCP2L1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Tfc2l1 Protein expressed in mammalian cells.
Sequence:	<p>MLFWHTQPEH YNQHNHSGSYL RDVLALPIFK QEEPQLSPEN GARLPPLQYV LCAATSPAVK LHEETLTLYLN QGQSYEIRLL ENRKLGFQD LNTKYVKSII RVVFHRRRLQ YTEYQQLEGW RWSRPGDRIL DIDIPLSVGI LDPRASPTQL NAVEFLWDPS KRASAFIQVH CISTEFTPRK HGGEKGVFPR VQIDTFKQNE SGDYSEHLHS ASCQIKVFKP KGADRKQKTD REKMEKRTAQ EKEKYQPSYE TTILTECSPW PDVPYQANNT PPSYNGSPN SFGLREGNSS PNHPVEPLPL GSDHLLPSAS IQDAQWLHR NRFSQFCWLF ASFSGADLLK MSRDDLQVQC GPADGIRLFN AIKGRNVRPK MTIYVCQELE QNQLPLPQKQ DDSGDNSLCV YHAIFLEELT TLELTEKIAS LYSIPPQHIH RVYRQGPAGI HVVVSNEMVQ NFQDESCFIL STLKAESNDG YHIILKCGL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

TFCP2L1

Alternative Name:

Tfcp2l1 ([TFCP2L1 Products](#))

Background:

Transcription factor CP2-like protein 1 (CP2-related transcriptional repressor 1) (CRTR-1), FUNCTION: Transcription factor that facilitates establishment and maintenance of pluripotency in embryonic stem cells (ESCs) (PubMed:23942233, PubMed:26321140). With Klf2, acts as the major effector of self-renewal that mediates induction of pluripotency downstream of LIF/Stat3 and Wnt/beta-catenin signaling (PubMed:23942238, PubMed:23942233, PubMed:26321140). Required for normal duct development in the salivary gland and kidney (PubMed:17079272). Coordinates the development of the kidney collecting ducts intercalated (IC) and principal (PC) cells, which regulate acid-base and salt-water homeostasis, respectively (PubMed:28577314). 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 (PubMed:28577314). Regulates also the expression of Jag1 and subsequent notch signaling in the collecting duct (PubMed:28577314). Jag1 initiates notch signaling in PCs but inhibits notch signaling in ICs (PubMed:28577314). Acts as a

Target Details

transcriptional suppressor that may suppress UBP1-mediated transcriptional activation (PubMed:11073954). Modulates the placental expression of CYP11A1 (By similarity). {ECO:0000250|UniProtKB:Q9NZI6, ECO:0000269|PubMed:11073954, ECO:0000269|PubMed:17079272, ECO:0000269|PubMed:23942233, ECO:0000269|PubMed:23942238, ECO:0000269|PubMed:26321140, ECO:0000269|PubMed:28577314}.

Molecular Weight: 54.7 kDa

UniProt: [Q3UNW5](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months