

Datasheet for ABIN7556382

## TCF7L1 Protein (AA 1-584) (His tag)



[Go to Product page](#)

### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | TCF7L1  |
| Protein Characteristics:      | AA 1-584                                      |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This TCF7L1 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)         |

### Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat Tcf7l1 Protein expressed in mammalian cells.  |
| Sequence: | <p>MPQLGGGRGG AGGGGGGSGA GATSGGDDL G ANDELIPFQD EGGEQEPSS DTASAQRDL D</p> <p>EVKSSLVNES ENQSSSSDSE AERRPQPARD AFQKPRDYFA EVRRPQDGAF FKGGAYPGYP</p> <p>FLMIPDLSSP YLSNGPLSPG GARTYLQMKW PLLDVPSSAT VKDTRSPSPA HLSNKVPVVQ</p> <p>HPHHMHPLTP LITYSNDHFS PASPPTHLS P EIDPKTGIPR PPHPSELSPY YPLSPGAVGQ</p> <p>IPHPLGWLVP QGQPMYSLP PGGFRHPYPA LAMNASMSSL VSSRFPHMVA PAHPGLPTSG</p> <p>IPHPAIVSPI VKQEPAAPSL SPAVSAKSPV TVKKEEEKKPVK KPLNAFM LYMKEMRAKV</p> <p>VAECTLKESA AINQILGRKW HNLSREEQAK YYELARKERQ LHAQLYPTWS ARDNYGKKKK</p> <p>RKREKQLSQT QSQQQIQEAE GALASKSKKP CIQYLPPEKP CDSPASSHGS ALDSPATPSA</p> <p>ALASPAAPAA THSEQAQLS LTTKPEARAQ LALHSAAFLS AKAAASNSSQ MGSQPPLLSR</p> <p>PLPLGSMPAA LLTSPPTFPA TLHAHQALPV LQAQPLSLVT KSAH <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</b></p> |

**complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

|                  |   |
|------------------|---|
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p> |
| Purity:          | > 90 % as determined by Bis-Tris Page, Western Blot   |
| Grade:           | custom-made   |

Target Details

|                   |   |
|-------------------|---|
| Target:           | TCF7L1  |
| Alternative Name: | Tcf7l1 ( <a href="#">TCF7L1 Products</a> )  |
| Background:       | Transcription factor 7-like 1 (HMG box transcription factor 3) (TCF-3) (mTCF-3),FUNCTION: Participates in the Wnt signaling pathway. Binds to DNA and acts as a repressor in the absence of CTNNB1, and as an activator in its presence. Necessary for the terminal differentiation of epidermal cells, the formation of keratohyalin granules and the development of the barrier function of the epidermis. {ECO:0000269 PubMed:11445543}. |
| Molecular Weight: | 62.3 kDa  |
| UniProt:          | <a href="#">Q9Z1J1</a>  |
| Pathways:         | <a href="#">WNT Signaling</a> , <a href="#">Stem Cell Maintenance</a>   |

## 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  |