

Datasheet for ABIN7555740
TCF7L1 Protein (AA 1-588) (His tag)



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Overview

Quantity:	1 mg
Target:	TCF7L1
Protein Characteristics:	AA 1-588
Origin:	Human
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 mammalien cells.
Sequence:	MPQLGGGGGG GGGGSGGGGG SSAGAAGGGD DLGANDELIP FQDEGGEEQE PSSDSASAQR DLDEVKSSLV NESENQSSSS DSEAERRPQP VRDTFQKPRD YFAEVRRPQD SAFFKGPPYP GYPFLMIPDL SSPYLSNGPL SPGGARTYLQ MKWPLLDVPS SATVKDTRSP SPAHLSNKVP VVQHPHHMHP LTPLITYSND HFSPGSPPTH LSPEIDPKTG IPRPPHPSEL SPYYPLSPGA VGQIPHPLGW LVPQQGQPMY SLPPGGFRHP YPALAMNASM SSLVSSRFSP H MVAPAHPLG PTSGIPHPAI VSPIVKQEPA PPSLSPAVSV KSPVTVKKEE EKKPHVKKPL NAFMLYMKEM RAKVVAECTL KESAAINQIL GRKWHNLSRE EQAKYYELAR KERQLHSQLY PTWSARDNYG KKKKRKREKQ LSQTQSQQQV QEAEGALASK SKKPCVQYLP PEKPCDSPAS SHGSMLDSPA TPSAALASPA APAATHSEQA QPLSLTTKPE TRAQLALHSA AFLSAKAAAS SSGQMGSQPP LLSRPLPLGS MPTALLASPP SFPATLHAHQ ALPVLQAQPL SLVTKSAH 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.

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:

TCF7L1

Alternative Name:

TCF7L1 ([TCF7L1 Products](#))

Background:

Transcription factor 7-like 1 (HMG box transcription factor 3) (TCF-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 (By similarity). Down-regulates NQO1, leading to increased mitomycin c resistance. {ECO:0000250}.

Molecular Weight:

62.6 kDa

UniProt:

[Q9HCS4](#)

Pathways:

[WNT Signaling, Stem Cell Maintenance](#)

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
