

Datasheet for ABIN7554253  
**TCF4 Protein (AA 1-667) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TCF4
Protein Characteristics:	AA 1-667
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TCF4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat TCF4 Protein expressed in mammalian cells.
Sequence:	<p>MHHQQRMAAL GTDKELSDLL DFSAMFSPPV SSGKNGPTSL ASGHFTGSNV EDRSSSGSWG</p> <p>NGGHPSPSRN YGDGTPYDHM TSRDLGSHDN LSPPFVNSRI QSKTERGSYS SYGRESNLQG</p> <p>CHQQSLLGGD MDMGNPGTSL PTKPGSQYYQ YSSNNPRRRP LHSSAMEVQT KKVVRKVPGL</p> <p>PSSVYAPSAS TADYNRDSPPG YPSSKPATST FPSSFFMQDG HHSSDPWSSS SGMNQPGYAG</p> <p>MLGNSSHIPQ SSSYCSLHPH ERLSYPSHSS ADINSSLPPM STFHRSGTNH YSTSSCTPPA</p> <p>NGTDSIMANR GSGAAGSSQT GDALGKALAS IYSPDHTNNS FSSNPSTPVG SPPSLAGTA</p> <p>VWSRNGGQAS SSPNYEGPLH SLQSRIEDRL ERLDDAIHVL RNHAVGPSTA MPGGHGDMMHG</p> <p>IIGPSHNGAM GGLGSGYGTG LLSANRHSLM VGTHREDGVA LRGSHSLLPN QVPVPQLPVQ</p> <p>SATSPDLNPP QDPYRGMPPG LQGQSVSSGS SEIKSDDEGD ENLQDTKSSE DKKLDDDKKD</p> <p>IKSITSNDD EDLTPEQKAE REKERRMANN ARERLRVRI NEAFKELGRM VQLHLKSDKP</p> <p>QTKLLILHQA VAVILSLEQQ VRERNLNPKA ACLKRREEEK VSSEPPPLSL AGPHPGMGDA</p>

SNHMGQM **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:

TCF4

### Alternative Name:

TCF4 ([TCF4 Products](#))

### Background:

Transcription factor 4 (TCF-4) (Class B basic helix-loop-helix protein 19) (bHLHb19) (Immunoglobulin transcription factor 2) (ITF-2) (SL3-3 enhancer factor 2) (SEF-2),FUNCTION: Transcription factor that binds to the immunoglobulin enhancer Mu-E5/KE5-motif. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Binds to the E-box present in the somatostatin receptor 2 initiator element (SSTR2-INTR) to activate transcription (By similarity). Preferentially binds to either 5'-ACANNTGT-3' or 5'-CCANNTGG-3'. {ECO:0000250}.

### Molecular Weight:

71.3 kDa

### UniProt:

[P15884](#)

## Target Details

Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Protein targeting to Nucleus</a>
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## 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