

Datasheet for ABIN7557603  
**TCF15 Protein (AA 1-195) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TCF15
Protein Characteristics:	AA 1-195
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TCF15 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Tcf15 Protein expressed in mammalien cells.
Sequence:	MAFALLRPVG AHVLYPDVRL LSEDEENRSE SDASDQSFSGC CEGLEAARRG PGP GSGRRAS NGAGPVVVVR QRQAANARER DRTQSVNTAF TALRTLIPTE PVDRKLSKIE TLR LASSYIA HLANVLLLGD AADDGQPCFR AAGGGKSAVP AADGRQPRSI CTFCLSNQRK GGSRRDLGGS CLKVRGVAPL RGP RR <b>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.</b>
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 mammalien cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	TCF15
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Alternative Name:	Tcf15 ( <a href="#">TCF15 Products</a> )
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Background:	<p>Transcription factor 15 (TCF-15) (Meso1) (Paraxis) (Protein bHLH-EC2),FUNCTION: Early transcription factor that plays a key role in somitogenesis, paraxial mesoderm development and regulation of stem cell pluripotency (PubMed:7597044, PubMed:8955271, PubMed:23395635, PubMed:32669716, PubMed:24038871). Essential for the mesenchymal to epithelial transition associated with somite formation (PubMed:7597044, PubMed:8955271, PubMed:24038871). Required for somite morphogenesis, thereby regulating patterning of the axial skeleton and skeletal muscles (PubMed:8955271). Required for proper localization of somite epithelium markers during the mesenchymal to epithelial transition (PubMed:24038871). Also plays a key role in regulation of stem cell pluripotency (PubMed:23395635, PubMed:32669716). Promotes pluripotency exit of embryonic stem cells (ESCs) by priming ESCs for differentiation (PubMed:23395635). Acts as a key regulator of self-renewal of hematopoietic stem cells (HSCs) by mediating HSCs quiescence and long-term self-renewal (PubMed:32669716). Together with MEOX2, regulates transcription in heart endothelial cells to regulate fatty acid transport across heart endothelial cells (PubMed:25561514). Acts by forming a heterodimer with another helix-loop-helix (bHLH) protein, such as TCF3/E12, that binds DNA on E-box motifs (5'-CANNTG-3') and activates transcription of target genes (PubMed:15226298, PubMed:23395635). {ECO:0000269 PubMed:15226298,</p>
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## Target Details

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ECO:0000269|PubMed:23395635, ECO:0000269|PubMed:24038871,  
ECO:0000269|PubMed:25561514, ECO:0000269|PubMed:32669716,  
ECO:0000269|PubMed:7597044, ECO:0000269|PubMed:8955271}.

Molecular Weight: 20.7 kDa

UniProt: [Q60756](#)

Pathways: [Feeding Behaviour](#)

## Application Details

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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

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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