

Datasheet for ABIN7563873
TCF4 Protein (AA 1-670) (His tag)



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Overview

Quantity:	1 mg
Target:	TCF4
Protein Characteristics:	AA 1-670
Origin:	Mouse
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>TGGHPSPSRN YGDGTPYDHM TSRDLGSHDN LSPPFVNSRI QSKTERGSYS SYGRENVQGC</p> <p>HQQSLLGGDM DMGNPGTLSP TKPGSQYYQY SSNNARRRPL HSSAMEVQTK KVRKVPPGLP</p> <p>SSVYAPSAST ADYNRDSPGY PSSKPAASTF PSSFFMQDGH HSSDPWSSSS GMNQPGYGGM</p> <p>LGNSSHIPQS SSYCSLHPHE RLSYPSSSSA DINSSLPPMS TFHRSGTNHY STSSCTPPAN</p> <p>GTDSIMANRG TGAAGSSQTG DALGKALASI YSPDHTNNSF SSNPSTPVGS PPSLSAGTAV</p> <p>WSRNGGQASS SPNYEGPLHS LQSRIEDRL RLDDAIHVLR NHAVGPSTAV PGGHGDMHGI</p> <p>MGPSHNGAMG SLGSGYGTSL LSNRHSMLV GAHREDGVAL RGSLSLLPNQ VPVPQLPVQS</p> <p>ATSPDLNPPQ DPYRGMPPGL QGQSVSSGSS EIKSDDEGDE NLQDTKSSD KKLDDDKKDI</p> <p>KSITRSRSSN NDDDLTPEQ KAEREKERRM ANNARERLRV RDINEAFKEL GRMVQLHLKS</p> <p>DKPQTKLLIL HQAVAVILSL EQQVRERNLN PKAACLRRE EEKVSSEPPP LSLAGPHPGM</p>

GDAANHMGQM **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <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>
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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

Target:	TCF4
Alternative Name:	Tcf4 (TCF4 Products)
Background:	<p>Transcription factor 4 (TCF-4) (Class A helix-loop-helix transcription factor ME2) (Immunoglobulin transcription factor 2) (ITF-2) (MITF-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'). Isoform 2 inhibits MYOD1 activation of the cardiac alpha-actin promoter. Binds to the E-box present in the somatostatin receptor 2 initiator element (SSTR2-INR) to activate transcription. May have a regulatory function in developmental processes as well as during neuronal plasticity. {ECO:0000269 PubMed:18214987}.</p>
Molecular Weight:	71.6 kDa

Target Details

UniProt:	Q60722
Pathways:	WNT Signaling , Positive Regulation of Peptide Hormone Secretion , Peptide Hormone Metabolism , Regulation of Hormone Metabolic Process , Carbohydrate Homeostasis , Stem Cell Maintenance , Protein targeting to Nucleus

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