

Datasheet for ABIN7555760
TCOF1 Protein (AA 1-1488) (His tag)



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Overview

Quantity:	1 mg
Target:	TCOF1
Protein Characteristics:	AA 1-1488
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TCOF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TCOF1 Protein expressed in mammalian cells.
Sequence:	MAEARKRREL LPLIYHLLR AGYVRAAREV KEQSGQKCF L AQPVTLLDIY THWQQTSELG RKRKAEEDAA LQAKKTRVSD PISTSESSEE EEEAEAETAK ATPRLASTNS SVLGADLPSS MKEKAKAETE KAGKTGNSMP HPATGKTVAN LLSGKSPRKS AEPSANTTLV SETEEEGSVP AFGAAAKPGM VSAGQADSSS EDTSSSSDET DVEGKPSVKP AQVKASSVST KESPARKAAP APGKVGDVTP QVKGALPPA KRAKKPEEES ESSEEGSESE EEAPAGTRSQ VKASEKILQV RAASAPAKGT PGKGATPAPP GKAGAVASQT KAGKPEEDSE SSSEESSDSE EETPAAKALL QAKASGKTSQ VGAASAPAKE SPRKGAAPAP PGKTGPAVAK AQAGKREEDS QSSSEESDSE EEAPAQAKPS GKAPQVRAAS APAKESPRKG AAPAPPRKTG PAAAQVQVVK QEEDSRSSSE ESDSDREALA AMNAAQVKPL GKSPQVKPAS TMGMGPLGKG AGVPPGKVG PATPSAQVVK WEEDSESSSE ESSDSSDGEV PTAVAPAQEK SLGNILQAKP TSSPAKPPPQ KAGPVAVQVK AEKPMDNSES SEESSDSADS EEAPAAMTAA QAKPALKIPQ TKACPKKTNT TASAKVAPVR

VGTQAPRKAG TATSPAGSSP AVAGGTQRPA EDSSSSEESD SEEEKTGLAV TVGQAKSVGK
GLQVKAASVP VKGSLGQGTA PVLPGKTGPT VTQVKA EKQE DSESSEEEESD SEAAAASPAQ
VKTSVKKTQA KANPAAARAP SAKGTISAPG KVVTAQAQK QRSPSKVKPP VRNPQNSTVL
ARGPASVPSV GKAVATAAQA QTGPEEDSGS SEEESDSEEE AETLAQVKPS GKTHQIRAAL
APAKESPRKG APTPPGKTG PSAAQAGKQD DSGSSSEESD SDGEAPAAVT SAQVIKPLI
FVDPNRSPAG PAATPAQAQA ASTPRKARAS ESTARSSSSE SEDEDVIPAT QCLTPGIRTN
VVTMPTAHPR IAPKASMAGA SSSKESSRIS DGKKQEGPAT QVSKKNPASL PLTQAALKVL
AQKASEAQPP VARTQPSSGV DSAVGTLPAT SPQSTSVQAK GTNKLKPKL PEVQQATKAP
ESSDDSEDSS DSSSGSEEDG EGPQGA KSAH TLGTPSRTE TLVEETAES SEDDVVAPSQ
SLLSGYMTPG LTPANSQASK ATPKLDSSPS VSSTLAAKDD PDGKQEAKPQ QAAGMLSPKT
GGKEAASGTT PQKSRPKKG AGNPQASTLA LQSNITQCLL GQPWPLNEAQ VQASVVKVLT
ELLEQERKKV VDTTKESSRK GWESRKRKLS GDQPAARTPR SKKKKKGAG EGGEASVSPE
KTSTTSKGKA KRDKASGDVK EKKGKGLSGS QGAKDEPEEE LQKGMGTVEG GDQSNPKSKK
EKKKSDKRKK DKEKKEK KKKK AKKASTKDSE SPSQKKKKKK KKTAEQTV **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:	TCOF1
Alternative Name:	TCOF1 (TCOF1 Products)
Background:	Treacle protein (Treacher Collins syndrome protein),FUNCTION: Nucleolar protein that acts as a regulator of RNA polymerase I by connecting RNA polymerase I with enzymes responsible for ribosomal processing and modification (PubMed:12777385, PubMed:26399832). Required for neural crest specification: following monoubiquitination by the BCR(KBTBD8) complex, associates with NOLC1 and acts as a platform to connect RNA polymerase I with enzymes responsible for ribosomal processing and modification, leading to remodel the translational program of differentiating cells in favor of neural crest specification (PubMed:26399832). {ECO:0000269 PubMed:12777385, ECO:0000269 PubMed:26399832}.
Molecular Weight:	152.1 kDa
UniProt:	Q13428

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