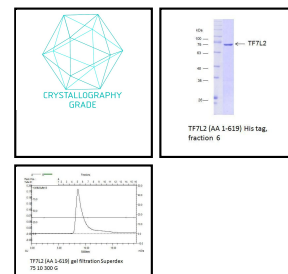


Transcription Factor 7-Like 2 (T-Cell Specific, HMG-Box) (TCF7L2) (AA 1-619) protein (His tag)

Protein Name:	Transcription Factor 7-Like 2 (T-Cell Specific, HMG-Box) (TCF7L2)
Protein Characteristics:	AA 1-619
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TCF7L2 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)
Catalog no.:	ABIN3095869
Quantity:	1 mg
Availability:	Will be delivered in 20 Business Day(s) (Ships to: North America)

3 Images available



Product Details

Sequence:	<p>MPQLNGGGGD DLGANDELIS FKDEGEQEEK SSENSAERD LADVKSSLVN ESETNQNSSS DSEAERRPPP RSEFRDKSR ESLEEAARKQ DGGLFKGPPY PGYPFIMIPD LTSPYLPNGS LSPTARTLHF QSGSTHYSAY KTIEHQIAVQ YLQMKWPLLD VQAGSLQSRQ ALKDARSPSP AHIVSNKVPV VQHPHHVHPL TPLITYSNEH FTPGNPPPHL PADVDPKTGI PRPPHPPDIS PYYPLSPGTV GQIPHPLGWL VPQQGQPVYP ITTGGRHPY PTALTVNASM SRFPHPMVPP HHTLHTTGIP HPAIVTPTVK QESSQSDVGS LHSSKHQDSK KEEKKKKPHI KKPLNAFMLY MKEMRAKVVA ECTLKESAAI NQILGRRWHA LSREEQAKYY ELARKERQLH MQLYPGWSAR DNYGKKKKRK RDKQPGETNE HSECFLNPCL SLPPITDLSA PKKCRARFGL DQQNNWCGPC RRKKKCVRYI QGEGSCLSPS SSDGSLLDSP PPSPNLLGSP PRDAKSQTEQ TQPLSLSLKP DPLAHLMMMP PPPALLLAEA THKASALCPN GALDLPPAAL QPAAPSSSIA QPSTSSLHSH SSLAGTQPQP LSLVTKSLEH HHHHH</p> <p>Sequence including C-terminal His-tag.</p>
Characteristics:	<ul style="list-style-type: none"> Made in Germany - from design to production - by highly experienced protein experts. Human TCF7L2 Protein (raised in E. Coli) purified by multi-step, protein-specific process to ensure crystallization grade. State-of-the-art algorithm used for plasmid design (Gene synthesis). Tag Location: C-terminal His Tag
Purification:	The protein is purified from the cleared cell lysate using EDTA resistant His-tag capture materials. Eluate fractions are analyzed by SDS-PAGE. Protein containing fractions are subjected to a second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Endotoxin has not been removed. Please contact us if you require endotoxin removal.
Grade:	Crystallography grade

Target details

Background:	Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as repressor in the absence of CTNNB1, and as activator in its presence. Activates transcription from promoters with several copies of the Tcf motif 5'-CCTTTGATC-3' in the presence of CTNNB1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7L2/TCF4 and CTNNB1. Expression of dominant-negative mutants results in cell-cycle arrest in G1. Necessary for the maintenance of the epithelial stem-cell compartment of the small intestine. {ECO:0000269|PubMed:12408868, ECO:0000269|PubMed:12727872, ECO:0000269|PubMed:19443654, ECO:0000269|PubMed:22699938, ECO:0000269|PubMed:9727977}.
Molecular Weight:	68.9 kDa Including tag.
UniProt:	Q9NQB0
Pathways:	WNT Signaling

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.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

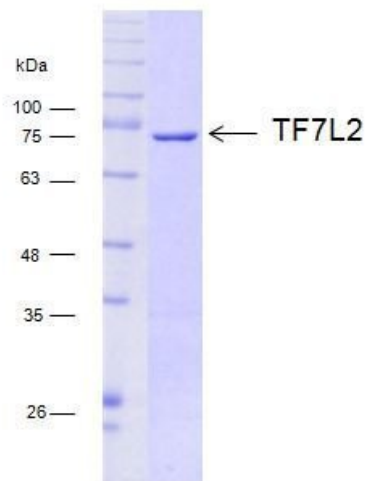
Handling

Format:	Liquid
Buffer:	100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images

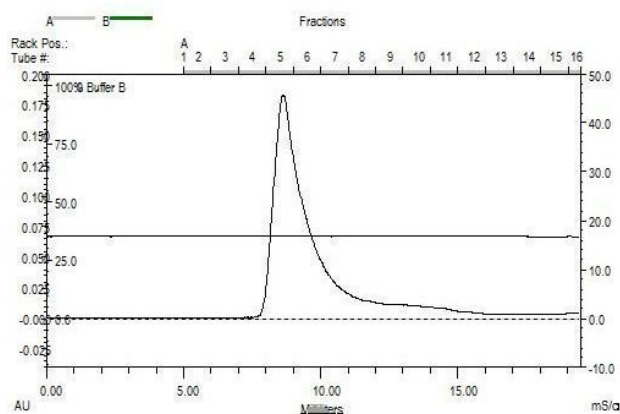


„Crystallography Grade“ protein due to multi-step, protein-specific purification process



TF7L2 (AA 1-619) His tag,
fraction 6

Image 2 for Transcription Factor 7-Like 2 (T-Cell Specific, HMG-Box) (TCF7L2) (AA 1-619) protein (His tag)



TF7L2 (AA 1-619) gel filtration Superdex
75 10 300 G

Image 3 for Transcription Factor 7-Like 2 (T-Cell Specific, HMG-Box) (TCF7L2) (AA 1-619) protein (His tag)

Order form

Please address orders & technical inquiries to:

antibodies-online Inc. Fax +1 888 205 9894
Dunwoody Park, Suite 145 Phone +1 877 302 8632
Atlanta, GA 30338 info@antibodies-online.com
United States

Orderer

Salutation (Mr./Ms.)	.....	Title	.....
Name	.....	Institution	.....
Phone	.....	Email	.....

Shipping address

Name recipient	.....	Institution	.....
Street	.....	Postal code	.....
City	.....	Country	.....

Billing address

Name recipient	.....	Institution	.....
Street	.....	Postal code	.....
City	.....	Country	.....
VAT ID	.....	

Your Order

Purchase Order Number (PON) (Optional)

Pos.	Product ID (e.g. ABIN123456)	Name (e.g. SOC2 antibody)	Amount
1.	ABIN3095869	Transcription Factor 7-Like 2 (T-Cell Specific, HMG-Box)...	
2.			
3.			

I took note of and accepted the terms and conditions of antibodies-online Inc. (<http://www.antibodies-online.com/terms/>).

Signature Place, Date