Datasheet for ABIN7554543

MCAF1 Protein (AA 1-1270) (His tag)

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Overview

Quantity:	1 mg
Target:	MCAF1 (ATF7IP)
Protein Characteristics:	AA 1-1270
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCAF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ATF7IP Protein expressed in mammalien cells.
Sequence:	MDSLEEPQKK VFKARKTMRV SDRQQLEAVY KVKEELLKTD VKLLNGNHEN GDLDPTSPLE NMDYIKDKEE VNGIEEICFD PEGSKAEWKE TPCILSVNVK NKQDDDLNCE PLSPHNITPE PVSKLPAEPV SGDPAPGDLD AGDPASGVLA SGDSTSGDPT SSEPSSSDAA SGDATSGDAP SGDVSPGDAT SGDATADDLS SGDPTSSDPI PGEPVPVEPI SGDCAADDIA SSEITSVDLA SGAPASTDPA SDDLASGDLS SSELASDDLA TGELASDELT SESTFDRTFE PKSVPVCEPV PEIDNIEPSS NKDDDFLEKN GADEKLEQIQ SKDSLDEKNK ADNNIDANEE TLETDDTTIC SDRPPENEKK VEEDIITELA LGEDAISSSM EIDQGEKNED ETSADLVETI NENVIEDNKS ENILENTDSM ETDEIIPILE KLAPSEDELT CFSKTSLLPI DETNPDLEEK MESSFGSPSK QESSESLPKE AFLVLSDEED ISGEKDESEV ISQNETCSPA EVESNEKDNK PEEEEQVIHE DDERPSEKNE FSRRKRSKSE DMDNVQSKRR RYMEEEYEAE FQVKITAKGD INQKLQKVIQ WLLEEKLCAL QCAVFDKTLA ELKTRVEKIE CNKRHKTVLT ELQAKIARLT KRFEAAKEDL

Product Details

	KKRHEHPPNP PVSPGKTVND VNSNNNMSYR NAGTVRQMLE SKRNVSESAP PSFQTPVNTV SSTNLVTPPA VVSSQPKLQT PVTSGSLTAT SVLPAPNTAT VVATTQVPSG NPQPTISLQP LPVILHVPVA VSSQPQLLQS HPGTLVTNQP SGNVEFISVQ SPPTVSGLTK NPVSLPSLPN PTKPNNVPSV PSPSIQRNPT ASAAPLGTTL AVQAVPTAHS IVQATRTSLP TVGPSGLYSP STNRGPIQMK IPISAFSTSS AAEQNSNTTP RIENQTNKTI DASVSKKAAD STSQCGKATG SDSSGVIDLT MDDEESGASQ DPKKLNHTPV STMSSSQPVS RPLQPIQPAP PLQPSGVPTS GPSQTTIHLL PTAPTTVNVT HRPVTQVTTR LPVPRAPANH QVVYTTLPAP PAQAPLRGTV MQAPAVRQVN PQNSVTVRVP QTTTYVVNNG LTLGSTGPQL TVHHRPPQVH TEPPRPVHPA PLPEAPQPQR LPPEAASTSL PQKPHLKLAR VQSQNGIVLS WSVLEVDRSC ATVDSYHLYA YHEEPSATVP SQWKKIGEVK ALPLPMACTL TQFVSGSKYY FAVRAKDIYG RFGPFCDPQS TDVISSTQSS **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 mammalien 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:	MCAF1 (ATF7IP)
Alternative Name:	ATF7IP (ATF7IP Products)

Target Details

Background:	Activating transcription factor 7-interacting protein 1 (ATF-interacting protein) (ATF-IP) (ATF7-interacting protein) (ATFa-associated modulator) (hAM) (MBD1-containing chromatin-associated factor 1) (P621),FUNCTION: Recruiter that couples transcriptional factors to general transcription apparatus and thereby modulates transcription regulation and chromatin formation. Can both act as an activator or a repressor depending on the context. Required for HUSH-mediated heterochromatin formation and gene silencing (PubMed:27732843). Mediates MBD1-dependent transcriptional repression, probably by recruiting complexes containing SETDB1 (PubMed:12665582). Stabilizes SETDB1, is required to stimulate histone methyltransferase activity of SETDB1 and facilitates the conversion of dimethylated to trimethylated H3 'Lys-9' (H3K9me3). The complex formed with MBD1 and SETDB1 represses transcription and couples DNA methylation and histone H3 'Lys-9' trimethylation (H3K9me3) (PubMed:14536086, PubMed:27732843). Facilitates telomerase TERT and TERC gene expression by SP1 in cancer cells (PubMed:19106100). {ECO:0000269|PubMed:12665582, ECO:0000269|PubMed:14536086, ECO:0000269|PubMed:19106100, ECO:0000269|PubMed:27732843}.
Molecular Weight:	136.4 kDa
UniProt:	Q6VMQ6

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