

Datasheet for ABIN7552421
AFT1 Protein (AA 1-271) (His tag)



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Overview

Quantity:	1 mg
Target:	AFT1
Protein Characteristics:	AA 1-271
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AFT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ATF1 Protein expressed in mammalien cells.
Sequence:	MEDSHKSTTS ETAPQPGSAV QGAHISHIAQ QVSSLSESEE SQDSSDSIGS SQKAHGILAR RPSYRKILKD LSEEDTRGRK GDGENSGVSA AVTSM SVPTP IYQTSSGQYI AIAPNGALQL ASPGTDGVQG LQTLTMTNSG STQQGTTILQ YAQTS DGQOI LVPSNQVVVQ TASGDMQTYQ IRTPSATSL PQTVM TSPV TLTSQTTKTD DPQLKREIRL MKNREAAREC RRKKKEYVKC LENRVAVLEN QNKTLIEELK TLKDLYSNKS V 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	AFT1
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Alternative Name:	ATF1 (AFT1 Products)
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Background:	Cyclic AMP-dependent transcription factor ATF-1 (cAMP-dependent transcription factor ATF-1) (Activating transcription factor 1) (Protein TREB36),FUNCTION: This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes. Represses the expression of FTH1 and other antioxidant detoxification genes. Triggers cell proliferation and transformation. {ECO:0000269 PubMed:18794154, ECO:0000269 PubMed:20980392}.
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Molecular Weight:	29.2 kDa
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UniProt:	P18846
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Pathways:	Neurotrophin Signaling Pathway , Activation of Innate immune Response , Myometrial Relaxation and Contraction , Toll-Like Receptors Cascades
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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
