

Datasheet for ABIN7552464
ATF3 Protein (AA 1-181) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | ATF3 |
| Protein Characteristics: | AA 1-181 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ATF3 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant ATF3 Protein expressed in mammalian cells. |
| Sequence: | MMLQHPGQVS ASEVSASAIV PCLSPPGSLV FEDFANLTPF VKEELRFAIQ NKHLCHRMSS ALESVTVSDR PLGVSITKAE VAPEEDERKK RRRERNKIAA AKCRNKKKEK TECLQKESEK LESVNAELKA QIEELKNEKQ HLIYMLNLHR PTCIVRAQNG RTPEDERNLF IQQIKEGTLQ S 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. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits: <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 |

Product Details

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.

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| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
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| Grade: | custom-made |
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Target Details

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| Target: | ATF3 |
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| Alternative Name: | ATF3 (ATF3 Products) |
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| Background: | <p>Cyclic AMP-dependent transcription factor ATF-3 (cAMP-dependent transcription factor ATF-3) (Activating transcription factor 3),FUNCTION: This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Represses transcription from promoters with ATF sites. It may repress transcription by stabilizing the binding of inhibitory cofactors at the promoter.</p> <p>{ECO:0000269 PubMed:7515060}, FUNCTION: [Isoform 2]: Activates transcription presumably by sequestering inhibitory cofactors away from the promoters.</p> <p>{ECO:0000269 PubMed:7515060}, FUNCTION: [Isoform 3]: Stress-induced isoform, counteracts the transcriptional repression of isoform 1. {ECO:0000269 PubMed:12034827}.</p> |
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| Molecular Weight: | 20.6 kDa |
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| UniProt: | P18847 |
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| Pathways: | Myometrial Relaxation and Contraction , ER-Nucleus Signaling , Unfolded Protein Response |
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Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for |
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Application Details

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
