

Datasheet for ABIN935110
ATF3 Protein (AA 1-181)



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1 Image

Overview

Quantity:	100 µg
Target:	ATF3
Protein Characteristics:	AA 1-181
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MMLQHPGQVS ASEVSASAIV PCLSPPGSLV FEDFANLTPF VKEELRFAIQ NKHLCHRMSS ALESVTVSDR PLGVSITKAE VAPEEDERKK RRRERNKIAA AKCRNKKKEK TECLQKESEK LESVNAELKA QIEELKNEKQ HLIYMLNLHR PTCIVRAQNG RTPEDERNLF IQQIKEGTLQ S
Characteristics:	Purified recombinant ATF3 protein Expression System: E.coli
Purity:	> 90 % pure

Target Details

Target:	ATF3
Alternative Name:	ATF3 (ATF3 Products)
Background:	ATF3 (activating transcription factor 3) is a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This

Target Details

protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Multiple transcript variants encoding two different isoforms have been found for this gene. The longer isoform represses rather than activates transcription from promoters with ATF binding elements. The shorter isoform (deltaZip2) lacks the leucine zipper protein-dimerization motif and does not bind to DNA, and it stimulates transcription, it is presumed, by sequestering inhibitory co-factors away from the promoter.

Alternative Names: ATF 3, ATF-3 protein, ATF 3 protein, ATF3, ATF-3, Cyclic AMP dependent transcription factor ATF3 protein, ATF3deltaZip3 protein, ATF3deltaZip2 protein, cAMP dependent transcription factor ATF3 protein, ATF3deltaZip2c protein, Cyclic AMP-dependent transcription factor ATF-3 protein

Molecular Weight: 20.6kDa (181 AA)

Pathways: [Myometrial Relaxation and Contraction](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#)

Application Details

Application Notes: ATF3 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

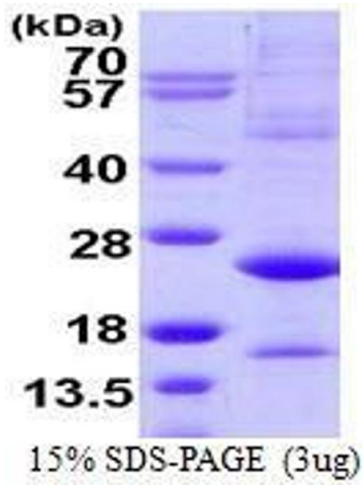
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl, pH 8.0, containing 2 M Urea and 20 % glycerol.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.