
Product Data Sheet

Product Name: ATF3 Human
 Cat. No.: GP22422
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Activating transcription factor 3; cyclic AMP-dependent transcription factor ATF-3; FLJ41705.		
Amino Acid Sequence	MMLQHPGQVS ASEVSASAIV PCLSPPGSLV FEDFANLTPF VKEELRFAIQ NKHLCHRMSS ALESVTVSDR PLGVSITKAE VAPEEDERKK RRRERNKIAA AKCRNKKKEK TECLQKESEK LESVNAELKA QIEELKNEKQ HLIYMLNLHR PTCIVRAQNG RTPEDERNLF IQQIKEGTLQ S.		
Formulation	ATF3 protein (1mg/ml) is supplied in 20mM Tris-HCl, pH-8, 2M Urea and 20% Glycerol.		

Introduction

ATF3 belongs to the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. ATF3 binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in numerous viral and cellular promoters. Multiple transcript variants encoding two different isoforms are known for this gene. The longer isoform represses transcription from promoters with ATF binding elements instead of activating it. The shorter isoform (deltaZip2) which stimulates transcription by sequestering inhibitory co-factors away from the promoter has no leucine zipper protein-dimerization motif and does not bind to DNA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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ATF3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 181 amino acids (1-181) and having a molecular mass of 20.6 kDa. The ATF3 is purified by proprietary chromatographic techniques.

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