

ATF1 Human

Activating Transcription Factor-1 Human Recombinant
ENZ0147

Product Overview

Name ATF1 Human

Description

Activating Transcription Factor-1 Human Recombinant

Accession (Primary) [P18846](#)

Synonyms

Activating transcription factor 3, cyclic AMP-dependent transcription factor ATF-3, FLJ41705.

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.

Source

Escherichia Coli.

Physical Appearance

ATF3 is supplied as a sterile filtered clear solution.

Formulation

ATF3 protein (1mg/ml) is supplied in 20mM Tris-HCl, pH-8, 2M Urea and 20% Glycerol.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MMLQHPGQVS ASEVSASAIV PCLSPPGSLV FEDFANLTPF VKEELRFAIQ NKHLCHRMSS ALESVTVSDR
PLGVSITKAE VAPEEDERKK RRRERNKIAA AKCRNKKKEK TECLQKESEK LESVNAELKA QIEELKNEKQ

HLIYMLNLHR PTCIVRAQNG RTPEDERNLF IQQIKEGTLQ S.

Precautions

ATF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P18846](#))