

ATF3 Human

Description: 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.

Catalog #: PKPS-277

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

For research use only.

Source: Escherichia Coli.

Physical Appearance: ATF3 is supplied as a sterile filtered clear solution.

Amino Acid Sequence: MMLQHPGQVS ASEVSASAIV PCLSPPGSLV FEDFANLTPF
VKEELRFAIQ NKHLCHRMSS ALESVTVSDR PLGVSITKAE VAPEEDERKK RRRERNKIAA
AKCRNKKKEK TECLQKESEK LESVNAELKA QIEELKNEKQ HLIYMLNLHR PTCIVRAQNG
RTPEDERNLF IQQIKEGTLQ S

Purity: Greater than 90.0% as determined by SDS-PAGE.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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