

32-2942: ATF1 Recombinant Protein

Alternative Name : Activating transcription factor 1, cyclic AMP-dependent transcription factor ATF-1, Protein TREB36, EWS-ATF1, FUS/ATF-1.

Description

Source : E.coli. ATF1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 295 amino acids (1-271) and having a molecular mass of 31.8kDa. ATF1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ATF1, a cyclic-AMP dependent transcription factor, is expressed in a large selection of cell types and can dimerize with CREB. MSK1 and MSK2 protein kinases are essential for the stress-induced phosphorylation of transcription factors CREB and ATF1 in primary embryonic fibroblasts. Epidermal growth factor induction of c-jun expression needs ATF1 and MEF2 sites in the c-jun promoter.

Product Info

Amount : 10 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The ATF1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 5mM DTT, 2mM EDTA and 50% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHEMEDSHK STTSETAPQP GSAVQGAHIS HIAQQVSSLS
 ESEESQDSSD SIGSSQKAHG ILARRPSYRK ILKDLSEDT RGRKGDGENS GVSAAVTSMS VPTPIYQTSS
 GQYIAIPNG ALQLASPGTD GVQGLQTLTM TNSGSTQQGT TILQYAQTSD GQQILVPSNQ VVQTASGDM
 QTYQIRTTPS ATSLPQTVVM TSPVTLTSQT TKTDPPQLKR EIRLMKNREA ARECRRKKKE YVKCLENRVA
 VLENQNKTLI EELKTLKDLY SNKSV

