

Product information

ATF1, 1-271aa

Human, His-tagged, Recombinant, *E.coli*

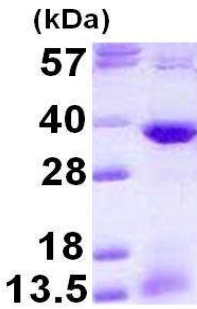
Cat. No. IBATGP1374

Full name: Activating transcription factor 1

NCBI Accession No.: NP_005162

Synonyms: EWS-ATF1, FUS/ATF-1, TREB36

Description: Activating transcription factor 1, also known as ATF1, is a cyclic-AMP dependent transcription factor. ATF1 is expressed in a wide variety of cell types and is capable of dimerizing with CREB. MSK1 and MSK2 protein kinases are required for the stress-induced phosphorylation of transcription factors CREB and ATF1 in primary embryonic fibroblasts. Epidermal growth factor induction of c-jun expression requires ATF1 and MEF2 sites in the c-jun promoter. Recombinant human ATF1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 50% glycerol, 0.2M NaCl, 2mM EDTA</p> <p>Molecular Weight: 31.8 kDa (295aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p>	 <p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHH SSGLVPRGSH MGSHEMEDSHK STTSETAPQP GSAVQGAHIS HIAQQVSSLS ESEESQDSSD SIGSSQKAHG ILARRPSYRK ILKDLSSSEDTRGRKGDGENS GVSAAVTSMS VPTPIYQTSS GQYIAIAPNG ALQLASPGTD GVQGLQTLTM TNSGSTQQGT TILQYAQTSD GQQILVPSNQ VVVQTASGDM QTYQIRTTPS ATSLPQTVVM TSPVTLTSQT TKTDDPQLKR EIRLMKNREA ARECRKKE YVKCLENRVA VLENQNKTLI EELKTLKDLY SNKSV</p>	

General references:

Lin Y S., *et al.* (1988) *Proc Natl Acad Sci USA*. 85:3396-3400.

Gupta P., *et al.* (2002) *J Biol Chem*. 277:50550-50556.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.