

AR50199PU-N**Human ATF1 (1-271, His-tag) - Purified****Alternate names:**

ATF-1, Activating transcription factor 1, Cyclic AMP-dependent transcription factor
ATF-1, Protein TREB36, cAMP-dependent transcription factor ATF-1

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P18846](#)

NCBI:

[NP_005162](#)

GeneID:

[466](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 50% glycerol, 0.2M NaCl, 2mM EDTA

Description:

Recombinant human ATF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MGSHEDESHK STTSETAPQP GSAVQGAHIS HIAQQVSSLS
ESESQDSSD SIGSSQKAHG ILARRPSYRK ILKDLSS EDT RGRKGDGENS GVSAAVTSMS
VPTPIYQTSS GQYIAIAPNG ALQLASPGTD GVQGLQTLTM TNSGSTQOGT TILQYAQTSD
GQQILVPSNQ VVVQTASGDM QTYQIRTPS ATSLPQTVVM TSPVTLTSQT TKTDDPQLKR
EIRLMKNREA ARECRRKKKE YVKLENRVA VLENQNKTLI EELKTLKDLV SNKSV

Molecular weight: 31.8 kDa (295aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

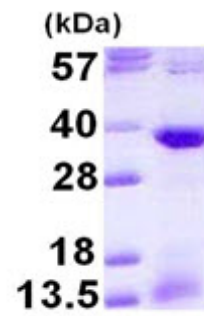
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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.

Pictures:



15% SDS-PAGE (3ug)