

Recombinant Human ATF2, His-tagged

Cat. No. ATF2-27043TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human AFT2 with His tag; amino acids 1-505, approximately 55kDa.
Species	Human
Source	E.coli
ProteinLength	1-505 a.a.
Description	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. Additional transcript variants have been identified but their biological validity has not been determined.
Conjugation	HIS
Tissue specificity	Abundant expression seen in the brain.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the bZIP family. ATF subfamily.Contains 1 bZIP domain.Contains 1 C2H2-type zinc finger.
Full Length	Full L.

GENE INFORMATION

Gene Name	ATF2 activating transcription factor 2 [Homo sapiens]
Official Symbol	ATF2
Synonyms	ATF2; activating transcription factor 2; cAMP responsive element binding protein 2 , CREB2; cyclic AMP-dependent transcription factor ATF-2; CRE BP1; HB16; TREB7;
Gene ID	1386
mRNA Refseq	NM_001880
Protein Refseq	NP_001871
MIM	123811
Uniprot ID	P15336
Chromosome Location	2q32

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway

ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of the AP-1 family of transcription factors, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem;

Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; chromatin binding; metal ion binding; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA