

# Recombinant Human Activating Transcription Factor 1, GST-tagged

**Cat. No.** ATF1-1431H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant human full-length ATF1 was expressed in *Sf9 insect cells* using a N-terminal GST tag. MW=63kDa.

### Species

Human

### Source

Sf9 Cells

### Description

ATF1 is a class of transcription factor that stimulates gene expression of several cell growth-related genes through protein kinase A-related cAMP response elements. ATF1 can physically associate with BRCA1 in vitro, in yeast, and in human cells and BRCA1 is implicated in the transcriptional activation of ATF1 target genes, some of which are involved in the transcriptional response to DNA damage. Mitogen- and stress-activated protein kinase 1 (MSK1) and MSK2 play a role in the stress-induced phosphorylation of ATF1 in primary embryonic fibroblasts. However, mitogen-induced phosphorylation of ATF1 is greatly reduced.

### Sequence

Full-length.

### Applications

Kinase Assay, Western Blot.

### Storage And Stability

Store product at  $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

## GENE INFORMATION

<b>Gene Name</b>	ATF1 activating transcription factor 1 [ Homo sapiens ]
<b>Synonyms</b>	ATF1; activating transcription factor 1; TREB36; EWS-ATF1; FUS/ATF-1; Cyclic AMP-dependent transcription factor ATF-1; cAMP-dependent transcription factor ATF-1; Activating transcription factor 1; Protein TREB36
<b>Gene ID</b>	466
<b>mRNA Refseq</b>	NM_005171
<b>Protein Refseq</b>	NP_005162
<b>UniProt ID</b>	AAB25878
<b>Chromosome Location</b>	12q13
<b>MIM</b>	123803
<b>Pathway</b>	Signalling by NGF
<b>Function</b>	protein dimerization activity; sequence-specific DNA binding; transcription factor activity

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PDB rendering based  
on 1dh3.



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