

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 <i>Sf9 insect cells</i> 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°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.

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GENE INFORMATION

Gene Name	ATF1 activating transcription factor 1 [Homo sapiens]
Synonyms	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
Gene ID	466
mRNA Refseq	NM_005171
Protein Refseq	NP_005162
UniProt ID	AAB25878
Chromosome Location	12q13
MIM	123803
Pathway	Signalling by NGF
Function	protein dimerization activity; sequence-specific DNA binding; transcription factor activity

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PDB rendering based
on 1dh3.



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