

# Recombinant Human Activating Transcription Factor 2, GST-tagged

**Cat. No.** ATF2-1432H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human ATF2 (1-254) was expressed in <i>E. coli</i> cells using a N-terminal GST tag. MW=55kDa.
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	1-254 a.a.
<b>Description</b>	Activating transcription factor (ATF)-2, also designated CRE-BP1, is a member of the ATF/cyclic AMP-responsive element binding protein family of transcription factors. ATF2 has two unique characteristics: it mediates the adenovirus E1A-induced trans-activation and forms a heterodimer with c-Jun. ATF2 is a target of the JNK signal transduction pathway. ATF2 is phosphorylated by JNK on two closely spaced threonine residues within the NH <sub>2</sub> -terminal activation domain. The replacement of these phosphorylation sites with alanine inhibited the transcriptional activity of ATF2. Furthermore, p38 MAPK can also phosphorylate ATF2.
<b>Sequence</b>	Full-length.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

## GENE INFORMATION

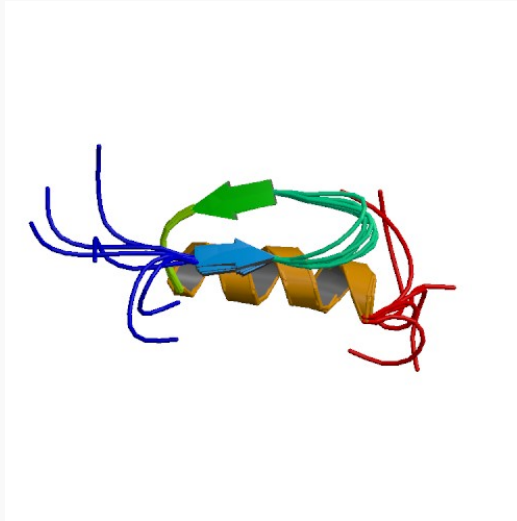
<b>Gene Name</b>	<a href="#">ATF2 activating transcription factor 2 [ Homo sapiens ]</a>
<b>Synonyms</b>	ATF2; activating transcription factor 2; HB16; CREB2; TREB7; CRE-BP1; MGC111558; cAMP responsive element binding protein 2; clic AMP-dependent transcription factor ATF-2; cAMP-dependent transcription factor ATF-2; cAMP-dependent transcription factor ATF-2; cAMP response element-binding protein CRE-BP1; Cyclic AMP-responsive element-binding protein 2; CREB-2
<b>Gene ID</b>	<a href="#">1386</a>
<b>mRNA Refseq</b>	<a href="#">NM_001880</a>
<b>Protein Refseq</b>	<a href="#">NP_001871</a>
<b>UniProt ID</b>	<a href="#">P15336</a>
<b>Chromosome Location</b>	2q32
<b>MIM</b>	<a href="#">123811</a>
<b>Pathway</b>	MAPK signaling pathway; Signaling in Immune system
<b>Function</b>	RNA polymerase II transcription factor activity; metal ion binding; protein dimerization activity; sequence-specific DNA binding; transcription coactivator activity; transcription factor activity; zinc ion binding

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