

Recombinant Human Activating Transcription Factor 2, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant human ATF2 (1-254) was expressed in <i>E. coli</i> cells using a N-terminal GST tag. MW=55kDa.
Species	Human
Source	<i>E. coli</i>
Protein Length	1-254 a.a.
Description	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 NH2-terminal activation domain. The replacement of these phosphorylation sites with alanine inhibited the transcriptional activity of ATF2. Furthermore, p38 MAPK can also phosphorylate ATF2.
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

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

GENE INFORMATION

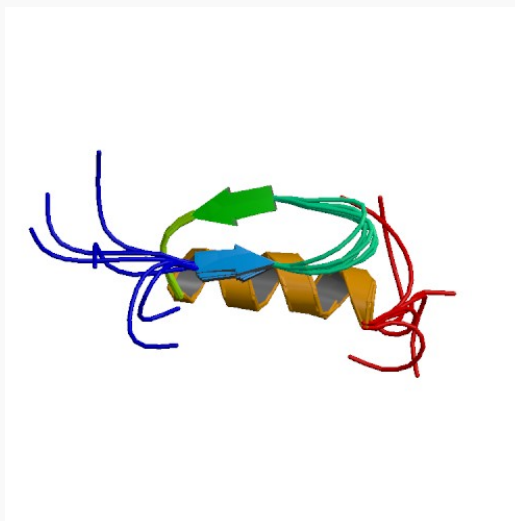
Gene Name	ATF2 activating transcription factor 2 [Homo sapiens]
Synonyms	ATF2; activating transcription factor 2; HB16; CREB2; TREB7; CRE-BP1; MGC111558; cAMP responsive element binding protein 2; clic AMP-dependent transcription factor ATF-2; cAMP-dependent transcription factor ATF-2; cAMP-dependent transcription factor ATF-2; cAMP response element-binding protein CRE-BP1; Cyclic AMP-responsive element-binding protein 2; CREB-2
Gene ID	1386
mRNA Refseq	NM_001880
Protein Refseq	NP_001871
UniProt ID	P15336
Chromosome Location	2q32
MIM	123811
Pathway	MAPK signaling pathway; Signaling in Immune system
Function	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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PDB rendering based
on 1bhi.



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