Recombinant Human ATF2 Protein, His-tagged

Cat. No. ATF2-849H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATF2 fused with His tag at C-terminal was expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
Description	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This 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. The encoded protein may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this gene.
Form	50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	55 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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; CREB-2; cAMP-dependent transcription factor ATF-2; cAMP-responsive element-binding protein 2; cAMP response element-binding protein CRE-BP1; cyclic AMP-responsive element-binding protein 2; cAMP responsive element binding protein 2, formerly; activating transcription factor 2 splice variant ATF2-var2; CREB2; CRE-BP1; MGC111558;
Gene ID	1386
mRNA Refseq	NM_001256090
Protein Refseq	NP_001243019
MIM	123811
UniProt ID	P15336

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