

Recombinant Full Length Human ATF2 Protein, GST-tagged

Cat. No. ATF2-1051HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATF2 full-length ORF (AAH26175, 1 a.a. - 209 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	209 amino acids
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 [provided by RefSeq, Jan 2014]
Molecular Mass	48.73 kDa
AA Sequence	MKFKLHVNSA RQYKDLWNMS DDKPFLCTAP GCGQRFTNED HLAVHKHKHE MTLKFGPARN DSVIVADQTP TPTRFLKNCE EVGLFNELAS PFENEFFKKAS

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EDDIKKMPLD LSPLATPIIR SKIEEPSVVE TTHQDSPLPH PESTTSDEKE
VPLAQTAQPT SAIVRPASLQ VPNVLLTSSD SSVIIQQAVP SPTSSTVITQ
APSSNRPIV

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	123811
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UniProt ID	P15336
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