

## Recombinant Human ATF2, His-tagged

**Cat. No.** ATF2-8502H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ATF2, fused with His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The activating transcription factor 2 (ATF2), also known as CRE-BP1 (cAMP-responsive element binding protein 1), is a member of the leucine zipper family of DNA binding proteins and binds to both AP-1 and CRE DNA response elements of many viral and cellular promoters. ATF2 can be activated by a diverse number of cellular stresses such as inflammatory cytokines, genotoxic agents and UV irradiation through MAPK pathway. It is activated through phosphorylation at two phosphosites of Thr69 and Thr71 by upstream activators like JNK/p38 (MAPK14, SAPK2A).
<b>Form</b>	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
<b>AA Sequence</b>	MKFKLHVNSA RQYKDLWNMS DDKPFLCTAP GCGQRFTNED HLAVHKHKHE MTLKFGPARN DSVIVADQTP TPTRFLKNCE EVGLFNELAS PFENEFKKAS EDDIKKMPLD LSPLATPIIR SKIEEPSVVE TTHQDSPLPH PESTTSDEKE VPLAQTAQPT SAIVRPASLQ VPNVLLTSSD SSVIIQQAVP SPTSSTVITQ APSSNRPIVP VPGPFPLLLH LPNGQTMPVA IPASITSSNV HVPAAVPLVR PVTMVPSVPG IPGPSSPQPV QSEAKMRLKA ALTQQHPPVT NGDTVKGHGS GLVRTQSEES RPQSLQQPAT STTETPASPA HTTPQTQSTS GRRRRAANED PDEKRRKFLE RNRAAASRCR QKRKVVVQSL EKKAEDLSSL NGQLQSEVTL

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LRNEVAQLKQ LLLAHKDCPV TAMQKKSGYH TADKDDSSSED ISVPSSPHTE  
 AIQHSSVSTS NGVSSTSKAE AVATSVLTQM ADQSTEPALS QIVMAPSSQS  
 QPSGS

**Purity** >95% as determined by SDS-PAGE

**Storage** -80 °C

**Shipping** Dry Ice

## GENE INFORMATION

**Gene Name** [ATF2 activating transcription factor 2 \[ Homo sapiens \]](#)

**Official Symbol** ATF2

**Synonyms**

ATF2; activating transcription factor 2; HB16; CREB2; TREB7; CRE-BP1; cyclic AMP-dependent transcription factor ATF-2; 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

**Gene ID** [1386](#)

**mRNA Refseq** [NM\\_001256090](#)

**Protein Refseq** [NP\\_001243019](#)

**MIM** [123811](#)

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<b>UniProt ID</b>	Q3B7B7
<b>Chromosome Location</b>	2q32
<b>Pathway</b>	AGE/RAGE pathway, organism-specific biosystem; ATF-2 transcription factor network, organism-specific biosystem; Alcoholism, organism-specific biosystem

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