

Recombinant Human ATF2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ATF2, fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	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).
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
AA Sequence	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 QKRKVWVQSL EKKAEDLSSL NGQLQSEVTL

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LRNEVAQLKQ LLLAHKDCPV TAMQKKSGYH TADKDDSSD 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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UniProt ID	Q3B7B7
Chromosome Location	2q32
Pathway	AGE/RAGE pathway, organism-specific biosystem; ATF-2 transcription factor network, organism-specific biosystem; Alcoholism, organism-specific biosystem

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