



## Product Datasheet

<b>Product Name</b>	Activating Transcription Factor-2 Human Recombinant
<b>Cata No</b>	CB500863
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Cyclic AMP-dependent transcription factor ATF-2, Activating transcription factor 2, cAMP response element-binding protein CRE-BP1, HB16, CREB2, TREB7, MGC111558, ATF2.

### Description

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The 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. Additional transcript variants have been identified but their biological validity has not been determined. Activating Transcription Factor-2 Human

Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain encoding 19-96 amino acids and having a molecular mass of 57 kDa. The ATF-2 is manufactured as a maltose binding protein (MBP) fusion protein with an amino terminal polyhistidine tag.

ATF-2 is purified by proprietary chromatographic techniques.

### Purity

Greater than 90% as determined by SDS-PAGE.

### Formulation

ATF-2 is supplied as lyophilized freeze dry powder without additives.