

## ATF-2 Human

**Description:** 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.

Catalog #: PKPS-313

For research use only.

**Synonyms:** Cyclic AMP-dependent transcription factor ATF-2, Activating transcription factor 2, cAMP response element-binding protein CRE-BP1, HB16, CREB2, TREB7, MGC111558, ATF2.

**Source:** Escherichia Coli.

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

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

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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.

### Storage:

Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

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