
Recombinant Human ATF2 Protein (His & GST tag)**Cat.NO.: TP07053**

3th Edition

Synonyms:CRE-BP1;CREB-2;CREB2;HB16;TREB7

Description:Activating transcription factor 2, also known as ATF2, is a member of the leucine zipper family of DNA-binding proteins that binds to the cAMP response element. Its activity is enhanced after phosphorylation by stress-activated protein kinases such as c-Jun N-terminal kinase and p38. ATF2 has been found to be a target of the JNK signal transduction pathway and mediate adenovirus E1A-inducible transcriptional activation. ATF2 is also been reported playing roles in TGF- β signaling pathway. It has been shown that the transcription factor ATF2 is bound by a hetero-oligomer of Smad3 and Smad4 upon TGF- β stimulation. Studies indicate that ATF-2 plays a central role in TGF- β signaling by acting as a common nuclear target of both Smad and TAK1 pathways.

Form:PBS**Molecular Weight:**82.4 kDa**Sequences:**Met 1-Ser 505**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.