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Datasheet for ABIN7194113

**ATF2 Protein (GST tag,His tag)**

## Overview

Quantity:	100 µg
Target:	ATF2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATF2 protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Human ATF2 Protein (His & GST Tag)
Sequence:	Met 1-Ser 505
Characteristics:	A DNA sequence encoding full length of human ATF2 (P15336-1) (Met 1-Ser 505) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	ATF2
Alternative Name:	ATF2 ( <a href="#">ATF2 Products</a> )
Background:	Background: 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

## Target Details

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- $\beta$  signaling pathway. It has been shown that the transcription factor ATF2 is bound by a hetero-oligomer of Smad3 and Smad4 upon TGF- $\beta$  stimulation. Studies indicate that ATF-2 plays a central role in TGF- $\beta$  signaling by acting as a common nuclear target of both Smad and TAK1 pathways.

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

Molecular Weight: 82.4 kDa

Pathways: [MAPK Signaling](#), [RTK Signaling](#), [Thyroid Hormone Synthesis](#), [Activation of Innate immune Response](#), [Chromatin Binding](#), [Myometrial Relaxation and Contraction](#), [Synaptic Membrane, Tube Formation](#), [Toll-Like Receptors Cascades](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.