

Datasheet for ABIN6699493 **AFT1 Protein (GST tag)**



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	AFT1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AFT1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	ATF1 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human ATF1 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry.
Purity:	>75%

Target Details

Target:	AFT1
Alternative Name:	ATF1 (AFT1 Products)
Background:	Synonyms: Activating Transcription Factor 1, TREB36, EWS-ATF1, FUS/ATF-1 Background: ATF1 is a class of transcription factor that stimulates gene expression of several cell growth-related genes through protein kinase A-related cAMP response elements. ATF1 can

Target Details

physically associate with BRCA1 in vitro, in yeast, and in human cells and BRCA1 is implicated in the transcriptional activation of ATF1 target genes, some of which are involved in the transcriptional response to DNA damage (1). Mitogen- and stress-activated protein kinase 1 (MSK1) and MSK2 play a role in the stress-induced phosphorylation of ATF1 in primary embryonic fibroblasts. However, mitogen-induced phosphorylation of ATF1 is greatly reduced (2). ATF1 Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Angiogenesis, Apoptosis/Autophagy, Cardiovascular Disease, Cellular Stress, Inflammation, Metabolic Disorder, Neurobiology, NfκB Pathway, and p38 Pathway research.

NCBI Accession: [NM_005171](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Myometrial Relaxation and Contraction](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: ATF1 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 63 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: ATF1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months