

Recombinant Human ATF2 protein ab43598

Description

Product name	Recombinant Human ATF2 protein
Purity	> 80 % Densitometry.
Expression system	Escherichia coli
Accession	<u>E9PBF9</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSDDKPFLCT APGCGQRFTN EDHLAVHKHK HEMTLKFGPA RNDSVIVADQ TPTPTRFLKN CEEVGLFNEL ASPFENEFFK ASEDDIKKMP LDLSPLATPI IRSKIEEPSV VETTHQDSPL PHPESTTSDE KEVPLAQTAQ PTSAMRPAS LQVPNVLLTS SDSSVIIQQA VPSPTSSTVI TQAPSSNRPI VPVPGPFPLL LHPNGQTMP VAIPASITSS NVHVPAAVPL VRPVTMVPSV PGIPGPSSPQ PVQS
Amino acids	1 to 254
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab43598** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies
Form	Liquid
Additional notes	ab43598 (Human ATF2 protein fragment) can be utilized as a substrate for <u>ab60304</u> (Active mouse JNK1 full length protein)

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
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pH: 7.50

Constituents: 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride

General Info

Function	Transcriptional activator, probably constitutive, which binds to the cAMP-responsive element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Interaction with JUN redirects JUN to bind to CREs preferentially over the 12-O-tetradecanoylphorbol-13-acetate response elements (TRES) as part of an ATF2/JUN complex.
Tissue specificity	Abundant expression seen in the brain.
Sequence similarities	Belongs to the bZIP family. ATF subfamily. Contains 1 bZIP domain. Contains 1 C2H2-type zinc finger.
Post-translational modifications	Phosphorylation of Thr-69 and Thr-71 by MAPK14 causes increased transcriptional activity. Also phosphorylated and activated by JNK.
Cellular localization	Nucleus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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