

AR39078PU-N

Human ATF4 (1-351, His-Cam-tag) - Purified

Alternate names:

ATF-4, Activating transcription factor 4, CREB-2, CREB2, Cyclic AMP-dependent transcription factor ATF-4, Cyclic AMP-responsive element-binding protein 2, DNA-binding protein TAXREB67, TXREB, cAMP-responsive element-binding protein 2

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

Activating transcription factor 4, also known as ATF4, belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins and CREB-like proteins. ATF4 encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1.

Uniprot ID:

[P18848](#)

NCBI:

[NP_001666](#)

GeneID:

[468](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Description:

Recombinant human ATF4 protein, fused to His-Calmodulin tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MHHHHHMAD QLTEEQIAEF KEAFSLFDKD GDGTITTKEL GTVMRSLGQN PTEAELQDMI
NEVDADGNGT IDFPEFLTMM ARKMKDTDSE EEIREAFRVF DKDGNGYISA AELRHVMTNL
GEKLTDEEVD EMIREADIDG DGQVNYEEFV QMMTAKGSHM TEMSFLSSEV LVGDLMSPFD
QSGLGAEESL GLLDDYLEVA KHFKPHGFSS DKAKAGSSEW LAVDGLVSPS NNSKEDAFSG
TDWMLEKMDL KEFDLDALLG IDDLTMPDD LLTTLDDTCD LFAPLVQETN KQPPQTVNPI
GHLPESLTKP DQVAPFTFLQ PLPLSPGVLS STPDHSFSLE LGSEVDITEG DRKPDYTAYV
AMIPQCIKEE DTPSDNDSGI CMSPEYLGSG PQHSPSTRGS PNRSLPSPGV LCGSARPKPY
DPPGEKMVAA KVKGEKLDKK LKKMEQNKTA ATRYRQKKRA EQEALTGECK ELEKKNEALK
ERADSLAKEI QYLKDLIEEV RKARGKKRVP

Molecular weight: 56.6 kDa (510aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Recombinant human ATF4, 1-351 aa, His
Calmodulin-tagged

