

Product datasheet for **AR39078PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	ATF4 (1-351, His-Cam-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MHHHHHMAD QLTEEQIAEF KEAFSLFDKD GDGTITTKEL GTVMRSLGON PTEAELQDMI NEVDADGNGT IDFPEFLTMM ARKMKDTDSE EEIREAFRVF DKDGNGYISA AELRHVMTNL GEKLTDEEVD EMIREADIDG DGQVNYEEFV QMMTAKGSHM TEMSFLSSEV LVGDLMSPFD QSGLGAEESL GLLDDYLEVA KHFKPHGFSS DKAKAGSSEW LAVDGLVSPS NNSKEDAFSG TDWMLEKMDL KEFDLDALLG IDDLETMPDD LLTLLDDTCD LFAPLVQETN KQPPQTVNPI GHLPESLTKP DQVAPFTFLQ PLPLSPGVLS STPDHFSFLE LGSEVDITEG DRKPDYTAIV AMIPQCIKEE DTPSDNDSGI CMSPEYLGS PQHSPSTRGS PNRSLPSPGV LCGSARPKPY DPPGEKMVA KVKGEKLDKK LKKMEQNKTA ATRYRQKKRA EQEALTGECK ELEKKNEALK ERADSLAKEI QYLKDLIEEV RKARGKKRVP</u>
Tag:	His-Cam-tag
Predicted MW:	56.6 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein 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.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001666</u>
Locus ID:	468



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UniProt ID: [P18848](#)

Cytogenetics: 22q13.1

Synonyms: CREB-2; CREB2; TAXREB67; TXREB

Summary: This gene 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. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication. [provided by RefSeq, Sep 2011]

Protein Families: Transcription Factors

Protein Pathways: GnRH signaling pathway, Long-term potentiation, MAPK signaling pathway, Neurotrophin signaling pathway, Prostate cancer

Product images:

