

Product information

ATF4, 1-351 aa

Human, His Cam-tagged, Recombinant, *E.coli*

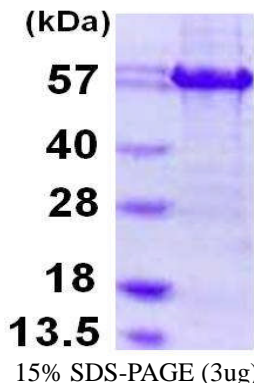
Cat. No. IBATGP1138

Full name: Activating transcription factor 4

NCBI Accession No.: NP_001666

Synonyms: CREB2, TXREB, CREB-2

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

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol</p> <p>Molecular Weight: 56.6 kDa (510aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p>MHHHHHMAD QLTEEQIAEF KEAFSLFDKD GDGTITTKEL GTVMRSLGQN PTEAELQDMI NEVDADGNGT IDPPEFLTMM ARKMKDSE EEIREAFRVF DKDNGYISA AELRHVMTNL GEKLTDEEVD EMIREADIDG DGQVNYEEFV QMMTAKGSHM TEMSFLSSEV LVGDLMSFPD QSLGAEESL GLLDDYLEVA KHFKPHGFSS DKAKAGSSEW LAVDGLVSPS NNSKEDAFSG TDWMLEKMDL KEFDLDALLG IDDLETMPDD LLTTLDDTCD LFAPLVQETN KQPPTVNPV GHLPELTKP DQVAPFTFLQ PLPLSPGVLS STPDHSFSLE LGSEVDITEG DRKPOYTAYV AMIPQCIKEE DTPSDNDSGI CMSPEYLGS PQHSPSTRGS PNRSLSPGV LCGSARPKPY DPPGKEMVAA KVKGEKLDKK LKKMEQNKTA ATRYRQKKRA EQEALTGECK ELEKKNALK ERADSLAKEI QYLKDLIEEV RKARGKKRVP</p>	

General references:

Lin Y S., *et al.* (1988) *Proc Natl Acad Sci.* 85:3396-4000.

Hoeffler JP., *et al.* (1988) *Science.* 242:1430-1433.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.