

Product information

CREBZF, 1-354aa

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

Cat. No. IBATGP2812

Full name: CREB/ATF bZIP transcription factor

NCBI Accession No.: NP_001034707

Synonyms: CREB/ATF bZIP transcription factor, SMILE, ZF

Description: CREBZF strongly activates transcription when bound to HCFC1. It suppresses the expression of HSV proteins in cells infected with the virus in a HCFC1-dependent manner. This protein suppresses the HCFC1-dependent transcriptional activation by CREB3 and reduces the amount of CREB3 in the cell. CREBZF is able to down-regulate expression of some cellular genes in CREBZF-expressing cells. Recombinant human CREBZF protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

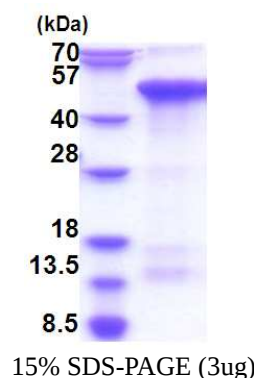
Form: Liquid. In PBS buffer (pH 7.4) containing 20% glycerol,

1mM DTT, 0.1mM PMSF

Molecular Weight: 39.5 kDa (377aa) confirmed by MALDI-TOF

Purity: > 85% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMRHSLTK LLAASGSNSP TRSESPEPAA TCSLPSDLTR AAAGEEETAA AGSPGRKQQF GDEGELEAGR
GSRGGVAVRA PSPEEMEEEA IASLPGEETE DMDFLSGLEL ADLLDPRQPD WHLDPLGLSSP GPLSSSGGGS DSGGLWRGDD DDEAAAAEMQ
RFSDLLQRL L NGIGGCSSSS DSGSAEKRRR KSPGGGGGGG SGNQNNQAAT KSPRKAAAAA ARLNRLKKKE YVMGLESRVR GLAAENQELR
AENRELGKRV QALQEEERYL RAVLANETGL ARLLSRLSGV GLRLTTSFLR DSPAGDHDYA LPVGKQKQDL LEEDDSAGGV CLHVDKDKVS
VEFCSACARK ASSSLKM

General references:

Lu R., Misra V. (2002) *Nucleic Acids Res.* 28:2446-2454

Misra V., Rapin N, et al. (2005) *J. Biol. Chem.* 280:15257-15266.

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.



Manufactured for:

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