

CREBZF, 1-354aa, Human, His tag, E.coli

Cat.NO.: TP01707

3th Edition

Synonyms: CREB/ATF bZIP transcription factor, 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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMRHSCLKLLAASGSNSPTRSESPEPAATCSLPSDLTRAAAGEEETAAAGSP
GRKQQFGDEGELEAGRGSRGGVAVRAPSPPEEMEEEAIALPGEETEDMDFLSGLELADLLDPRQPDWHLDPGLS
SPGPLSSSSGGGSDSGGLWRGDDDDDEAAAAEMQRFSDLLQRLNIGIGGCCSSSSDSGSAEKRRRKSPGGGGGGG
SGNDNNQAATKSPRKAAAAAARLNRLKKKEYVMGLESVRGLAAENQELRAENRELGKRVQALQEESRYLRVLA
NETGLARLLSRLSGVGLRLTTSFRDSPAGDHDYALPVGKQKQDLLEEDDSAGGVCLHVDKDKVSVEFCSACARK
ASSSLKM

Purity: > 95% by HPLC

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

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.