

Recombinant human CREBZF protein

Catalog Number: ATGP2812

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-354aa

UniProt No.

Q9NS37

NCBI Accession No.

NP_001034707

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

39.5 kDa (377aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT, 0.1mM PMSF

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant human CREBZF protein

Catalog Number: ATGP2812

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMRHSLTK LLAASGSNSP TRSESPEPAA TCSLPSDLTR AAAGEEETAA AGSPGRKQQF
GDEGELEAGR GSRGGVAVRA PSPEEMEEEA IASLPGEETE DMDFLSGLEL ADLLDPRQPD WHLDPGLSSP GPLSSSGGGS
DSGGLWRGDD DDEAAAAEMQ RFSDLLQRL NGIGGCSSSS DSGSAEKRRR KSPGGGGGGG SGNDNNQAAT
KSPRKA AAAA ARLNRLKKKE YVMGLESVR GLAAENQELR AENRELGKRV QALQEESRYL RAVLANETGL ARLLSRLSGV
GLRLTTS LFR 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.

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

