
Product Data Sheet

Product Name: CREBZF Human

Cat. No.: GP23218

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CREB/ATF BZIP Transcription Factor; Host CellFactor-Binding Transcription Factor Zhangfei; HCF-Binding Transcription FactorZhangfei; Zhangfei; ZF; SHP-Interacting Leucine Zipper Protein; SMILE; CREB/ATFbZIP transcription factor.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMRHS LTK LLAASGSNSP TRSESEPEAA TCSLPSDLTR AAAGEEETAAAGSPGRKQQF GDEGELEAGR GSRGGVAVRA PSPEEMEEEA IASLPGEETE DMDFLSGLEL ADLLDPRQPDWHLDPGLSSP GPLSSSGGGS DSGGLWRGDD DDEAAAAEMQRFSDLLQRLN NGIGGCSSSS DSGSAEKRRR KSPGGGGGGG SGNDNNQAATKSPRKA AAAA ARLNRLKKKE YVMGLESRVR GLAAENQELR AENRELGKRV QALQEESRYL RAVLANETGLARLLSRLSGV GLRLTTS LFR DSPAGDHDYA LPVGKQKQDL LEEDDSAGGV CLHVDKDKVSVEFCSACARK ASSSLKM.		
Formulation	CREBZF protein solution (0.25mg/ml) containing PBS buffer(pH 7.4), 20% glycerol,1mM DTT and 0.1mM PMSF.		

Introduction

CREB/ATF BZIP Transcription Factor, also known as CREBZF activatestranscription strongly once bound to HCFC1. CREBZF suppresses the expression ofHSV proteins in cells infected with the virus in a HCFC1-dependent manner. CREBZF suppresses the HCFC1-dependenttranscriptional activation through CREB3 and reduces the quantity of CREB3 inthe cell. In addition, CREBZF is capable to down-regulate expression of a fewcellular genes in CREBZF-expressing cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CREBZF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 377 amino acids (1-354 a.a) and having a molecular mass of 39.5kDa. CREBZF is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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