# abcam

# Product datasheet

# Recombinant Human Zhangfei protein ab183253

# 1 Image

#### **Description**

Product name Recombinant Human Zhangfei protein

Purity > 85 % SDS-PAGE.

ab183253 is purified using conventional chromatography techniques.

Expression system Escherichia coli

Accession Q9NS37

Protein length Full length protein

Animal free No

Nature Recombinant

**Species** Human

**Sequence** MGSSHHHHHH SSGLVPRGSH MGSMRHSLTK

LLAASGSNSP TRSESPEPAA TCSLPSDLTR
AAAGEEETAA AGSPGRKQQF GDEGELEAGR
GSRGGVAVRA PSPEEMEEEA IASLPGEETE
DMDFLSGLEL ADLLDPRQPD WHLDPGLSSP
GPLSSSGGGS DSGGLWRGDD DDEAAAAEMQ
RFSDLLQRLL NGIGGCSSSS DSGSAEKRRR
KSPGGGGGG SGNDNNQAAT KSPRKAAAAA
ARLNRLKKKE YVMGLESRVR GLAAENQELR
AENRELGKRV QALQEESRYL RAVLANETGL
ARLLSRLSGV GLRLTTSLFR DSPAGDHDYA
LPVGKQKQDL LEEDDSAGGV CLHVDKDKVS

VEFCSACARK ASSSLKM

Predicted molecular weight 40 kDa including tags

Amino acids 1 to 354

Tags His tag N-Terminus

Additional sequence information NP 001034707.

#### **Specifications**

Our <u>Abpromise guarantee</u> covers the use of ab183253 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

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Mass Spectrometry

Mass spectrometry

**MALDI-TOF** 

**Form** 

Liquid

#### **Preparation and Storage**

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine), 0.02% DTT, 0.002% PMSF

### **General Info**

Function Strongly activates transcription when bound to HCFC1. Suppresses the expression of HSV

proteins in cells infected with the virus in a HCFC1-dependent manner. Also suppresses the HCFC1-dependent transcriptional activation by CREB3 and reduces the amount of CREB3 in the cell. Able to down-regulate expression of some cellular genes in CREBZF-expressing cells.

**Tissue specificity** In adults, expressed most abundantly in heart, liver and skeletal muscle, moderately abundant in

kidney and pancreas, and barely detectable in lung. In fetal tissues, expressed most abundantly in

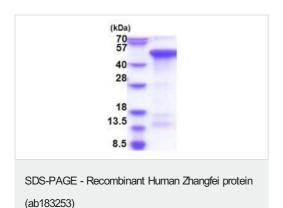
kidney and very low amounts in heart, lung and liver.

**Sequence similarities** Belongs to the bZIP family. ATF subfamily.

Contains 1 bZIP domain.

**Cellular localization**Nucleus. Colocalizes at punctate nuclear structures with CREB3 and HCFC1.

# **Images**



15% SDS PAGE analysis of ab183253 (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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