

Recombinant human CIRBP protein

Catalog Number: ATGP1033

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-172aa

UniProt No.

Q14011

NCBI Accession No.

NP_001271

Alternative Names

Cold inducible RNA-binding protein, CIRP, A18HNRNP

PRODUCT SPECIFICATION

Molecular Weight

20.8 kDa (192aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.2M NaCl

Purity

> 95% 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

Cold inducible RNA-binding protein, also known as CIRBP, plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. It localizes to the nucleus and contains one RRM (RNA recognition motif) domain. Expressed ubiquitously, CIRBP is thought to play an essential role in the suppression of cellular proliferation in response to uV irradiation or extreme cold. Recombinant human CIRBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human CIRBP protein

Catalog Number: ATGP1033

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MASDEGKLFV GGLSFDTNEQ SLEQVFSKYG QISEVVVKD RETQRSRGFG
FVTFENIDDA KDAMMAMNGK SVDGRQIRVD QAGKSSDNRS RGYRGGGAGG RGFFRGGRGR GRGFSRGGGD
RGYGGNRFES RSGGYGGSRD YYSSRSQSGG YSDRSSGGSY RDSYDSYATH NE

General References

Sheikh MS., et al. (1997) J Biol Chem. 272(42):26720-6

Nishiyama H., et al. (1997) Gene. 204:115-120.

DATA

SDS-PAGE

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

