

Active Recombinant Human CIRBP protein, His-tagged

Cat. No. CIRBP-27194TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CIRBP protein(NP_001271.1)(Met1~Glu172), fused to N-terminal His Tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Glu172
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	<p>CIRBP (Cold-inducible RNA-binding protein) is considered to play a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival and act as a translational activator. Besides, ATXN1 (Ataxin-1) has been proven as an interactor of CIRBP. Thus a binding ELISA assay was conducted to detect the interaction of recombinant human CIRBP and recombinant human ATXN1. Briefly, CIRBP were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to ATXN1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-CIRBP mAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µ stop solution to the wells and read at 450nm immediately. The binding</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

activity of CIRBP and ATXN1 was shown in Figure 1, and this effect was in a dose dependent manner.

Molecular Mass 22/27kDa as determined by SDS-PAGE reducing conditions.

Endotoxin <1.0EU per 1g (determined by the LAL method)

Purity > 95%

Applications Positive Control; Immunogen; SDS-PAGE; WB.

Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles.
Store at 2-8°C for one month.
Aliquot and store at -80°C for 12 months.

Concentration 400g/mL

Reconstitution Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name CIRBP cold inducible RNA binding protein [Homo sapiens]

Official Symbol CIRBP

Synonyms CIRP; A18HNRNP

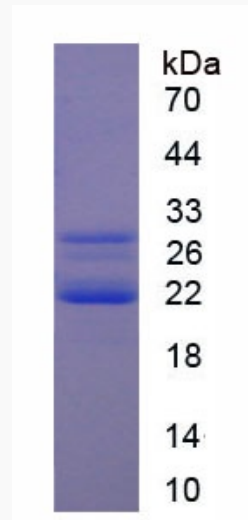
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	1153
mRNA Refseq	NM_001280.2
Protein Refseq	NP_001271.1
MIM	602649
UniProt ID	Q14011

SDS-PAGE

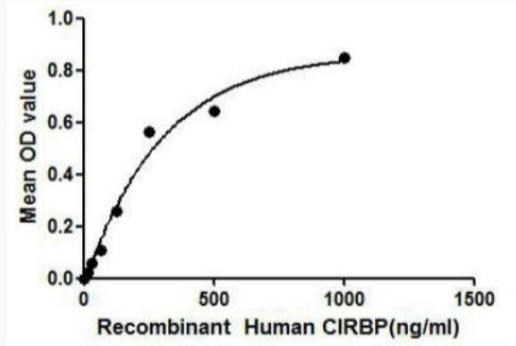


Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

Bioactivity



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA