Active Recombinant Mouse CIRBP protein, His-tagged

Cat. No. CIRBP-1122M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse CIRBP protein(P60824)(1-172 aa), fused with N-terminal His tag, was expressed in n/a.
Species	Mouse
Source	n/a
ProteinLength	1-172 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Cold-inducible RNA-binding protein (CIRBP) plays a critical role in controlling the cellular response upon confronting a variety of cellular stresses, including short wavelength ultraviolet light, hypoxia, and hypothermia. Besides, Heterogeneous Nuclear Ribonucleoprotein A1 (HNRPA1) has been identified as an interactor of CIRBP, thus a binding ELISA assay was conducted to detect the interaction of recombinant mouse CIRBP and recombinant mouse HNRPA1. Briefly, CIRBP were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100μL were then transferred to HNRPA1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-CIRBP pAb, 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

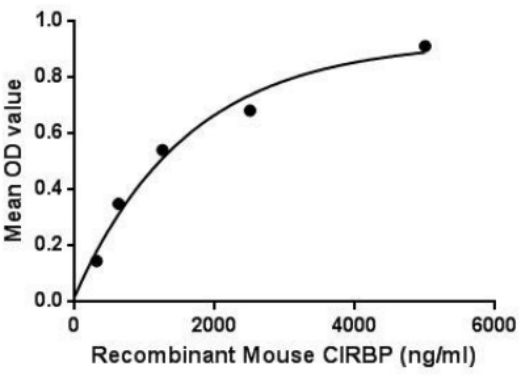
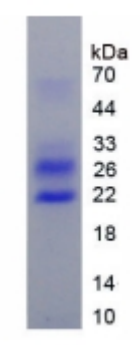
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	to the wells and read at 450nm immediately. The binding activity of CIRBP and HNRPA1 was shown, and this effect was in a dose dependent manner.
Molecular Mass	22.3kDa
Purity	> 90%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Cirbp cold inducible RNA binding protein [Mus musculus]
Official Symbol	CIRBP
Synonyms	CIRBP; cold inducible RNA binding protein; cold-inducible RNA-binding protein; A18 hnRNP; cold inducible RNA-binding protein; glycine-rich RNA-binding protein CIRP; Cirp; R74941;
Gene ID	12696
mRNA Refseq	NM_007705
Protein Refseq	NP_031731

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	
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