

Active Recombinant Human CIRBP protein, His-tagged

Cat. No. CIRBP-122H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CIRBP protein(Q14011)(1-172 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
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	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

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	activity of CIRBP and ATXN1 was shown, and this effect was in a dose dependent manner.
Molecular Mass	21.7kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 95%
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 [Homo sapiens]
Official Symbol	CIRBP
Synonyms	CIRBP; cold inducible RNA binding protein; cold-inducible RNA-binding protein; CIRP; Cold inducible RNA binding protein; glycine rich RNA binding protein; A18 hnRNP; glycine-rich RNA binding protein; cold inducible RNA-binding protein; glycine-rich RNA-binding protein CIRP;
Gene ID	1153
mRNA Refseq	NM_001280
Protein Refseq	NP_001271

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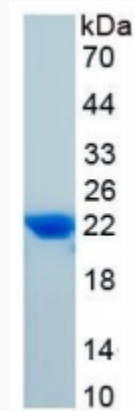
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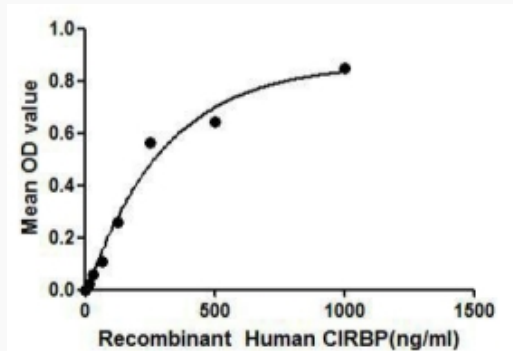
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UniProt ID Q14011

SDS-PAGE



Activity



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