

CIRBP Protein, Human (His)

Cat. No.:	HY-P76261
Synonyms:	Cold-inducible RNA-binding protein A; XCIRP; cirbp-a; CIRP-1
Species:	Human
Source:	E. coli
Accession:	Q14011 (M1-E172)
Gene ID:	1153
Molecular Weight:	Approximately 23 kDa.

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM Tris, 500 mM NaCl, 0.25M Imi, 20% glycerol.
Endotoxin Level	/
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Cold-Inducible RNA Binding Protein (CIRBP) is a crucial player in the cellular response to genotoxic stress, exerting a protective role by stabilizing transcripts of genes associated with cell survival. As a translational activator, CIRBP is involved in the cold-induced suppression of cell proliferation and binds specifically to the 3'-untranslated regions (3'-UTRs) of stress-responsive transcripts like RPA2 and TXN. It acts as a translational repressor, promoting the assembly of stress granules (SGs) when overexpressed. Additionally, CIRBP interacts with EIF4G1 and associates with ribosomes, emphasizing its multifaceted involvement in cellular stress responses and RNA processing (
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Caution: Product has not been fully validated for medical applications. For research use only.

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