

CIRBP / Cold-inducible RNA-binding protein, human recombinant

CATALOG #:	7589-20	20 µg
	7589-100	100 µg
	7589-1000	1 mg
ALTERNATE NAMES:	A18HNRNP, CIRP, CIRBP	
SOURCE:	E. Coli	
PURITY:	≥ 90% by SDS – PAGE	
ENDOTOXIN CONTENT:	< 1.0 EU per µg of the protein as determined by the LAL method.	
FORM:	Lyophilized.	

FORMULATION: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 0.25 M Imidazole, 20% glycerol. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.

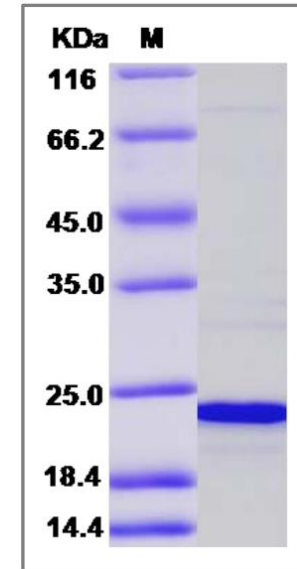
RECONSTITUTION: It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml

MOL. WEIGHT: The recombinant human CIRBP consists of 187 amino acids and predicts a molecular mass of 20.5 KDa. It migrates as an approximately 23 KDa band in SDS-PAGE under reducing conditions. It contains a polyhistidine tag at the N-terminus.

STORAGE CONDITIONS: Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

DESCRIPTION:

CIRBP, also known as cold-inducible RNA-binding protein, plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. CIRBP responds to a wide array of cellular stresses, including short wavelength ultraviolet light (UVC), at the transcriptional and post-translational level. It acts as a translational activator. CIRBP can bind the 3'untranslated region of specific transcripts to stabilize them and facilitate their transport to ribosomes for translation. CIRBP affects NF-κB signaling as opposed to IL1B mRNA stability directly.



Human Recombinant CIRBP

RELATED PRODUCTS:

- Heat Shock Protein 20, human recombinant (**Cat. No. 4847-10**)
- Heat Shock Protein 22, human recombinant (**Cat. No. 4850-10**)
- Heat Shock Protein 27, human recombinant (**Cat. No. 4853-10, -50, -1000**)
- Heat Shock Protein 70, human recombinant (**Cat. No. 4859-25, 100, -1000**)
- Heat Shock Protein 90, human recombinant (**Cat. No. 4858-25, 100, -1000**)
- Recombinant Human Heat Shock Protein 90 (Hsp90 beta) (N-term His-tag) (**Cat. No. 4858H-25, 100, -1000**)

FOR RESEARCH USE ONLY! Not to be used in humans.