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## Product Data Sheet

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Product Name: CIRBP Human  
 Cat. No.: GP23162  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cold-inducible RNA-binding protein; A18 hnRNP; Glycine-rich RNA-binding protein CIRP; CIRBP; A18HNRNP; CIRP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MASDEGKLFV GGLSFDTNEQ SLEQVFSKYG QISEVVVKD RETQRSRGFG FVTFENIDDA KDAMMAMNGK SVDGRQIRVD QAGKSSDNRS RGYRGGGAGG RGFFRGGGRGR GRGFSRGGGD RGYGGNRFES RSGGYGGSRD YYSSRSQSGG YSDRSSGGSY RDSYDSYATH NE.		
Formulation	CIRBP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.1M NaCl.		

### Introduction

Cold inducible RNA-binding protein (CIRBP) has a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. CIRBP localizes to the nucleus and contains one RRM (RNA recognition motif) domain. Expressed ubiquitously, CIRBP is believed to play a crucial role in the suppression of cellular proliferation in response to UV irradiation or extreme cold.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CIRBP produced in E.Coli is a single, non-glycosylated polypeptide chain containing 192 amino acids (1-172 a.a.) and having a molecular mass of 20.8kDa. CIRBP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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