

Product datasheet for **AR09973PU-L**

CIRBP (1-172, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CIRBP (1-172, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MASDEGKLFV GGLSFDTNEQ SLEQVFSKYG QISEVWVKD RETQRSRGFG FVTFENIDDA KDAMMAMNGK SVDGRQIRVD QAGKSSDNRS RGYRGGGAGG RGFFRGGRRGR GRGFSRGGGD RGYGGNRFES RSGGYGGSRD YSSRSQSGG YSDRSSGGSY RDSYDSYATH NE
Tag:	His-tag
Predicted MW:	20.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 50% glycerol, 0.2M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CIRBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001271</u>
Locus ID:	1153
UniProt ID:	<u>Q14011, Q53XX5</u>
Cytogenetics:	19p13.3
Synonyms:	CIRP



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Summary:

Cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. Acts as a translational activator. Seems to play an essential role in cold-induced suppression of cell proliferation. Binds specifically to the 3'-untranslated regions (3' UTRs) of stress-responsive transcripts RPA2 and TXN. Acts as a translational repressor (By similarity). Promotes assembly of stress granules (SGs), when overexpressed.[UniProtKB/Swiss-Prot Function]

Product images: