

## Product datasheet for TP501471

### Cirbp (NM\_007705) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cold inducible RNA binding protein (Cirbp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201471 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MASDEGKLFVGGLSFDTNEQALEQVFSKYGQISEVWWKDRETQRSRGFGFVTFENIDDAKDAMMAMNGK SVDGRQIRVDQAGKSSDNRSRGYRGGSSAGGRGFFRGGRSRGRGFSRGGGDRGYGGGRFESRSGGYGGSRD YYASRSQGGSYGYRSSGGSYRDSYDSYATHNE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	18.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_031731</a></u>
Locus ID:	12696
UniProt ID:	<u><a href="#">P60824</a></u>
RefSeq Size:	1256
Cytogenetics:	10 39.72 cM



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RefSeq ORF: 519

Synonyms: Cirp; R74941

**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. Promotes assembly of stress granules (SGs), when overexpressed. Seems to play an essential role in cold-induced suppression of cell proliferation. Acts as a translational repressor. Acts as a translational activator. Binds specifically to the 3'-untranslated regions (3' UTRs) of stress-responsive transcripts RPA2 and TXN.[UniProtKB/Swiss-Prot Function]