

## Product datasheet for TP301639

### CIRBP (NM\_001280) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cold inducible RNA binding protein (CIRBP), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201639 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MASDEGKLFVGGLSFDTNEQSLEQVFSKYGQISEVWVKDRETQRSRGFGFVTFENIDDAKDAMMAMNGK SVDGRQIRVDQAGKSSDNRSRGRGGSAGGRGFFRGRGRGRGFSRGGGDRGYGGNRFESRSGGYGGSRD YSSRSQSGGYSDRSSGGSYRDSYDSYATHNE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	18.5 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<a href="#">NP_001271</a>
Locus ID:	1153
UniProt ID:	<a href="#">Q14011</a> , <a href="#">Q53XX5</a>



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RefSeq Size: 1397

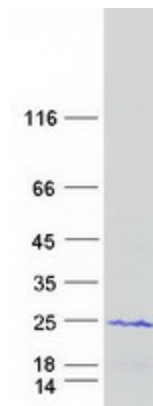
Cytogenetics: 19p13.3

RefSeq ORF: 516

Synonyms: CIRP

**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:



Coomassie blue staining of purified CIRBP protein (Cat# TP301639). The protein was produced from HEK293T cells transfected with CIRBP cDNA clone (Cat# [RC201639]) using MegaTran 2.0 (Cat# [TT210002]).