

## Product datasheet for PH301639

### CIRBP (NM\_001280) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CIRBP MS Standard C13 and N15-labeled recombinant protein (NP_001271)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201639
Predicted MW:	18.6 kDa
Protein Sequence:	>RC201639 protein sequence Red=Cloning site Green=Tags(s)  MASDEGKLFVGGLSFDTNEQSLEQVFSKYGQISEV V V V V K D R E T Q R S R G F G F V T F E N I D D A K D A M M A M N G K S V D G R Q I R V D Q A G K S S D N R S R G Y R G G S A G G R G F F R G G R G R G R G F S R G G G D R G Y G G N R F E S R S G G Y G G S R D Y Y S S R S Q S G G Y S D R S S G G S Y R D S Y D S Y A T H N E  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001271</a>
RefSeq Size:	1397
RefSeq ORF:	516
Synonyms:	CIRP
Locus ID:	1153
UniProt ID:	<a href="#">Q14011</a> , <a href="#">Q53XX5</a>

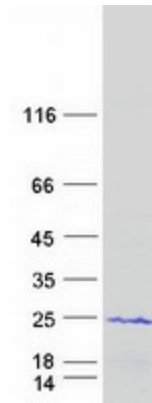


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**Cytogenetics:** 19p13.3

**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]).