

CIRBP Protein, Mouse, Recombinant (His)

General Information

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| Synonyms: | Cirbp;Cirp;Glycine-rich RNA-binding protein CIRP;Cold-inducible RNA-binding protein;A18 hnRNP |
| Protein Construction: | 1-172 aa |
| Species: | Mouse |
| Expression Host: | E. coli |
| Accession: | P60824 |
| Molecular Weight: | 22.6 kDa (predicted) |
| AA Sequence: | MASDEGKLFVGGLSFDTNEQALEQVFSKYGQISEVVVVKDRETQRSRGGFVTFENIDDAKDAMMAMNGKS VDGRQIRVDQAGKSSDNRSRGYRGGGAGGRGFRGGRSRGRGFSRGGGDRGYGGGRFESRSGGYGGSRDY YASRSQGGSYGYRSSGGSYRDSYDSYATHNE |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 90% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | Tris-based buffer, 50% glycerol |

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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