

Recombinant Mouse Ireb2 Protein, Myc/DDK-tagged

Cat. No. Ireb2-3571M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length iron responsive element binding protein 2 (Ireb2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'-UTR of ferritin, and delta aminolevulinic acid synthase mRNAs, and in the 3'-UTR of transferrin receptor mRNA. Binding to the IRE element in ferritin results in the repression of its mRNA translation. Binding of the protein to the transferrin receptor mRNA inhibits the degradation of this otherwise rapidly degraded mRNA.
Molecular Mass	105.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ireb2 iron responsive element binding protein 2 [Mus musculus (house mouse)]

Official Symbol Ireb2

Synonyms IREB2; iron responsive element binding protein 2; iron-responsive element-binding protein 2; IRE-BP 2; iron regulatory protein 2; Irp2; D9Ertd85e; DKFZp564D1164

Gene ID 64602

mRNA Refseq NM_022655

Protein Refseq NP_073146

UniProt ID Q811J3

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