

## Recombinant Mouse Dnajc3 Protein, MYC/DDK-tagged

Cat. No. Dnajc3-006M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse DnaJ heat shock protein family (Hsp40) member C3 (Dnajc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Involved in the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Acts as a negative regulator of the EIF2AK4/GCN2 kinase activity by preventing the phosphorylation of eIF-2-alpha at 'Ser-52' and hence attenuating general protein synthesis under ER stress, hypothermic and amino acid starving stress conditions. Co-chaperone of HSPA8/HSC70, it stimulates its ATPase activity. May inhibit both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2 to catalyze phosphorylation of the EIF2A. May inhibit EIF2AK3/PERK activity.
<b>Molecular Mass</b>	57.5 kDa
<b>Purity</b>	>80%, as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 ug/mL as determined by microplate BCA method

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

## GENE INFORMATION

**Gene Name** Dnajc3 DnaJ heat shock protein family (Hsp40) member C3 [ Mus musculus (house mouse) ]

**Official Symbol** Dnajc3

**Synonyms** Dnajc3; DnaJ heat shock protein family (Hsp40) member C3; p58; mp58; Prkri; p58IPK; Dnajc3a; Dnajc3b; AA408985; AU067833; dnaJ homolog subfamily C member 3; DnaJ (Hsp40) homolog, subfamily C, member 3; DnaJ (Hsp40) homolog, subfamily C, member 3A; DnaJ (Hsp40) homolog, subfamily C, member 3B; interferon-induced, double-stranded RNA-activated protein kinase inhibitor; protein kinase inhibitor of 58 kDa; protein kinase inhibitor p58; protein kinase, interferon inducible double stranded RNA dependent inhibitor

**Gene ID** 100037258

**mRNA Refseq** NM\_008929

**Protein Refseq** NP\_032955

**UniProt ID** Q91YW3

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