# Recombinant Mouse Dnajb1 Protein, Myc/DDK-tagged

**Cat. No.** Dnajb1-2594M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Purified recombinant protein of mouse full-length DnaJ heat shock protein family (Hsp40) member B1 (Dnajb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **Description** | This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. The encoded protein may also inhibit apoptosis. Peritoneal macrophages derived from homozygous knockout mice for this gene exhibit impaired heat tolerance. Alternative splicing results in multiple transcript variants. |
| **Molecular Mass** | 38.2 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. |

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| **Concentration** | >50 μg/mL as determined by microplate BCA method |
| **Storage Buffer** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

## GENE INFORMATION

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| **Gene Name** | Dnajb1 DnaJ heat shock protein family (Hsp40) member B1 [ Mus musculus (house mouse) ] |
| **Official Symbol** | Dnajb1 |
| **Synonyms** | DNAJB1; DnaJ (Hsp40) homolog, subfamily B, member 1; dnaJ homolog subfamily B member 1; heat shock protein 40; heat shock 40 kDa protein 1; HSPF1; Hsp40; 0610007I11Rik |
| **Gene ID** | 81489 |
| **mRNA Refseq** | NM_018808 |
| **Protein Refseq** | NP_061278 |
| **UniProt ID** | Q9QYJ3 |

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