

Recombinant Mouse Dnajb1 protein, His & T7-tagged

Cat. No. Dnajb1-7863M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dnajb1 aa. (Gly2~Ile340 (Accession# Q9QYJ3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly2~Ile340
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Dnajb1 DnaJ heat shock protein family (Hsp40) member B1 [Mus musculus (house mouse)]
Official Symbol	Dnajb1
Synonyms	Dnajb1; DnaJ heat shock protein family (Hsp40) member B1; DjB1; Hdj1; HSPF1; Hsp40; 0610007111Rik; dnaJ homolog subfamily B member 1; DnaJ (Hsp40) homolog, subfamily B, member 1; heat shock 40 kDa protein 1
Gene ID	81489
mRNA Refseq	NM_018808.3

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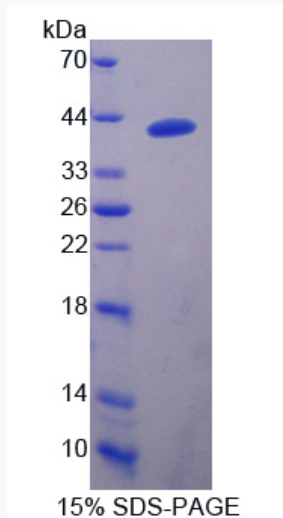
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Protein Refseq NP_061278.1

UniProt ID Q9QYJ3

SDS-PAGE



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