Recombinant Rat Dnajb2 Protein, His-tagged

Cat. No. Dnajb2-1356R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Dnajb2 Protein (Met1-Phe259) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Phe259
Description	Predicted to enable several functions, including Hsp70 protein binding activity; chaperone binding activity; and modification-dependent protein binding activity. Predicted to be involved in several processes, including positive regulation of ATPase activity; protein refolding; and regulation of cellular protein metabolic process. Predicted to be located in inclusion body; nuclear membrane; and perinuclear region of cytoplasm. Predicted to be active in cytosol. Predicted to be intrinsic component of endoplasmic reticulum membrane. Human ortholog(s) of this gene implicated in distal spinal muscular atrophy type 5. Orthologous to human DNAJB2 (DnaJ heat shock protein family (Hsp40) member B2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.4 kDa Accurate Molecular Mass: 37 kDa
Purity	> 90%

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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Dnajb2 DnaJ heat shock protein family (Hsp40) member B2 [Rattus norvegicus (Norway rat)]
Official Symbol	Dnajb2
Synonyms	Dnajb2; DnaJ heat shock protein family (Hsp40) member B2; dnaJ homolog subfamily B member 2; DnaJ (Hsp40) homolog, subfamily B, member 10; DnaJ (Hsp40) homolog, subfamily B, member 2; dnaJ homolog subfamily B member 10; heat shock protein, DNAJ-like 1; Hsj1; mDj8; Dnajb10; 2700059H22Rik
Gene ID	689593
mRNA Refseq	NM_001109541
Protein Refseq	NP_001103011

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

UniProt ID	D4ABC2

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