

Recombinant Human DnaJ (Hsp40) Homolog, Subfamily B, Member 1, GST-tagged

Cat. No. DNAJB1-4839H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human DNAJB1 was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
Description	DNAJB1 is a member of heat shock proteins (HSPs) which are synthesized in cells in response to heat shock and other metabolic stresses and provide a transient state of thermotolerance. DNAJB1 is localized faintly throughout the cell in non-heat-shocked cells and accumulates in the nuclei and nucleoli in heat-shocked cells. The intracellular localization of DNAJB1 is very similar to that of HSP70. Overexpression of HSP40 reduces aggregate formation and suppresses apoptosis in a neuronal cell model of spinal and bulbar muscular atrophy (inherited neurodegenerative diseases caused by polyglutamine expansion).
Applications	Western Blot
Molecular Weight	65 kDa
Expression System	E.coli
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

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Purity	> 90 %
Concentration	0.2 ug/ul
Sequences	Full length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Influenza A; Protein processing in endoplasmic reticulum
GENE INFORMATION	
Gene Name	DNAJB1 DnaJ (Hsp40) homolog, subfamily B, member 1 [Homo sapiens]
Official Symbol	DNAJB1
Synonyms	DNAJB1; DnaJ (Hsp40) homolog, subfamily B, member 1; Hdj1; Sis1; HSPF1; Hsp40; DNAJ1; HDJ-1; HDJ1; DnaJ protein homolog 1; Heat shock protein 40; Heat shock 40 kDa protein 1; heat shock 40kD protein 1; DnaJ (Hsp40) homolog, subfamily B, member 1; Hsp40 (heat shock protein 40 kD)
Gene ID	3337
mRNA Refseq	NM_006145
Protein Refseq	NP_006136
MIM	604572

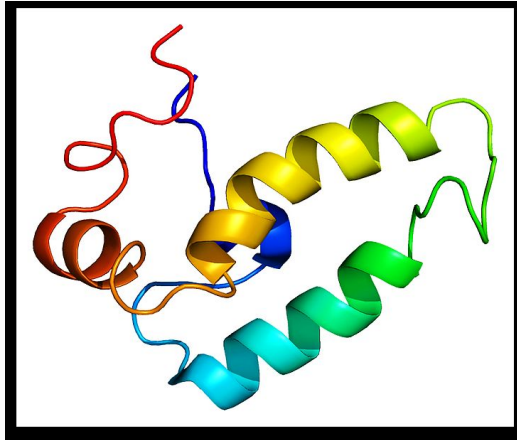
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UniProt ID	P25685
Chromosome Location	19p13.2
Function	Heat shock protein binding; Unfolded protein binding

PDBrendering based on 1hdj.



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