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## Datasheet for ABIN7318413 DNAJB1 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	DNAJB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DNAJB1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human HSP40/DNAJB1 Protein (His Tag)
Sequence:	Gly2-Ile340
Characteristics:	Recombinant Human Heat Shock 40 kDa Protein is produced by our E.coli expression system and the target gene encoding Gly2-Ile340 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	DNAJB1
Alternative Name:	HSP40/DNAJB1 ( <a href="#">DNAJB1 Products</a> )
Background:	Background: DnaJ Homolog Subfamily B Member 1 (DNAJB1) is a member of the heat shock protein family. Heat shock proteins (HSPs) are a highly conserved family of stress response proteins. HSPs function primarily as molecular chaperones, facilitating the folding of other

## Target Details

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cellular proteins, preventing protein aggregation, or targeting improperly folded proteins to specific degradative pathways. DNAJB1 regulates cellular processes by aiding in the folding, transport and assembly. DNAJB1 contains a J-domain which controls interaction with the ATPase domain of DnaK. DNAJB1 interacts with HSP70 and can stimulate its ATPase activity. In addition, DNAJB1 stimulates the association between HSC70 and HIP.

Synonym: DnaJ Homolog Subfamily B Member 1, DnaJ Protein Homolog 1, Heat Shock 40 kDa Protein 1, HSP40, Heat Shock Protein 40, Human DnaJ Protein 1, hDj-1, DNAJB1, DNAJ1, HDJ1, HSPF1

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Molecular Weight: 39.1 kDa

UniProt: [P25685](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM EDTA, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.