

Datasheet for ABIN6699783  
**DNAJB1 Protein (GST tag)**



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## Overview

Quantity:	20 µg
Target:	DNAJB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DNAJB1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

## Product Details

Purpose:	HSP40 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human HSP40 was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

## Target Details

Target:	DNAJB1
Alternative Name:	DNAJB1 ( <a href="#">DNAJB1 Products</a> )
Background:	Synonyms: DNAJB1, HSPF1, 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 Background: HSP40 is a member of heat shock proteins (HSPs) which are synthesized in cells

## Target Details

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in response to heat shock and other metabolic stresses and provide a transient state of thermotolerance. HSP40 is localized faintly throughout the cell in non-heat-shocked cells and accumulates in the nuclei and nucleoli in heat-shocked cells (1). The intracellular localization of HSP40 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) (2). HSP40 is ideal for investigators involved in Signaling Proteins, Cell Stress & Chaperone Proteins, Cancer, Cellular Stress, and Inflammation research.

NCBI Accession: [NM\\_006145](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: HSP40 Protein is suitable for use in Western Blot. Expect a band approximately ~65 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.2 µg/µL

Buffer: HSP40 Protein is 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.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months