

Recombinant Full Length Human DNAJB1 Protein, GST-tagged

Cat. No. DNAJB1-3959HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNAJB1 full-length ORF (AAH19827, 1 a.a. - 340 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	340 amino acids
Description	This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Molecular Mass	63.14 kDa
AA Sequence	MGKDYYQTLGLARGASDEEIKRAYRRQALRYHPDKNKEPGAEEKFKEIAEAYDVLS DPRKREIFDRYGEEGLKGSGPSGGSGGGANGTSFSYTFHGDPHAMFAEFFGGRNP FDTFFGQRNGEEGMDIDDPFSGFPMGMGGFTNVNFGRSRSAQEPARKKQDPPVT HDLRVSL EEIYSGCTKKMKISHKRLNPDGKSIRNEDKILTIEVKKGWKEGKITFPKEG DQTSNNIPADIVFVLKDKPHNIFKRDGSDVIYPARISLREALCGCTVNVPTLDGRTIPV

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VFKDVIRPGMRRKVPGEGLPLPKTPEKRGDLIEFEVIFPERIPQTSRTVLEQVLPI

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; HSPF1; dnaJ homolog subfamily B member 1; Hsp40; radial spoke 16 homolog B (Chlamydomonas); RSPH16B; Sis1; Hdj-1; human DnaJ protein 1; heat shock protein 40; dnaJ protein homolog 1; heat shock 40kD protein 1; radial spoke 16 homolog B; heat shock 40 kDa protein 1; DnaJ (Hsp40) homolog, subfamily B, member 1; Hdj1;

Gene ID

[3337](#)

mRNA Refseq

[NM_006145](#)

Protein Refseq

[NP_006136](#)

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MIM	604572
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UniProt ID	P25685
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