

Recombinant Full Length Human DNAJB1 Protein, C-Flag-tagged

Cat. No. DNAJB1-1382HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DNAJB1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.9 kDa
AA Sequence	MGKDYQTLGLARGASDEEIKRAYRRQALRYHPDKNKEPGAEEKFKEIAEAYDVLS DPRKREIFDRYGEE GLKGSGPSGGSGGGANGTSFSYTFHGDPHAMFAEFFGGRN PFDTFFGQRNGEEGMDIDDPFSGFPMGMGG FTNVNFGRRSAQEPARKKQDPPV THDLRVSLLEIYSGCTKKMKISHKRLNPDGKSIRNEDKILTIEVKK GWKEGTKITFPKE

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	GDQTSNNIPADIVFVLKDKPHNIFKRDGSDVIYPARISLREALCGCTVNVPTLDGRT IPVVFKDVIIRPGMRRKVPGEGLPLPKTPEKRGDLIEFEVIFPERIPQTSRTVLEQVLPI
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	DNAJB1 DnaJ heat shock protein family (Hsp40) member B1 [Homo sapiens (human)]
Official Symbol	DNAJB1
Synonyms	Hdj1; Sis1; HSPF1; Hsp40; RSPH16B
Gene ID	3337
mRNA Refseq	NM_006145.3
Protein Refseq	NP_006136.1

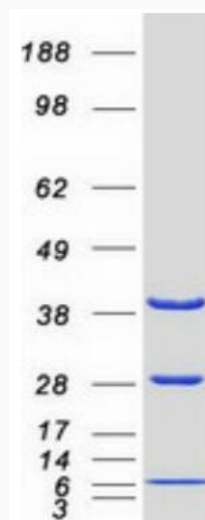
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MIM 604572

UniProt ID P25685



Coomassie blue staining of purified DNAJB1 protein.

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