

**Recombinant Human DnaJ Homolog Subfamily B Member 1/DNAJB1 Protein(C-6His)**

**Cat.NO.: TP05111**

3th Edition

**Synonyms:**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

**Description:**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 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.

**Form:**PBS

**Molecular Weight:**39.1 kDa

**Sequences:**Gly2-Ile340

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.