
Product Data Sheet

Product Name: DNAJB4 Human

Cat. No.: GP25065

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dnaj homolog subfamily B member 4; Heat shock 40 kDa protein 1 homolog; HSP40 homolog; Heat shock protein 40 homolog; Human liver Dnaj-like protein; DNAJB4; DNAJW; HLJ1; DjB4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGKDYIC ILGIEKGASD EDIKKAYRKQ ALKFHPDKNK SPQAEKFKKE VAEAYEVLSD PKKREIYDQF GEEGLKGGAG GTDGQGGTFR YTFHGDPHAT FAAFFGGSNP FEIFFGRRMG GGRDSEEMEI DGDPFSAFGF SMNGYPRDRN SVGPSRLKQD PPVIHELRSV LEEIYSGCTK RMKISRKRLN ADGRSYRSED KILTIEIKKG WKEGKITFP REGDETPNSI PADIVFIKD KDHPKFKRDG SNIITYAKIS LREALCGCSI NVPTLDGRNI PMSVNDIVKP GMRRRIIGYG LPFPKNPDQR GDLLIEFEVS FPDTISSSSK EVLKHLPLAS.		
Formulation	DNAJB4 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.2M NaCl, 30% glycerol and 1mM DTT.		

Introduction

Dnaj (Hsp40) Homolog, Subfamily B, Member 4 (DNAJB4) is a member of the evolutionarily conserved DNAJ/HSP40 protein family. DNAJB4 subunit configuration is homodimer. DNAJB4 possibly functions as a chaperone. DNAJB4 C-terminal section interacts with the C-terminal tail of OPRM1. DNAJB4 also has an interaction with SDIM1. DNAJB4 is expressed in the heart, pancreas and skeletal muscle, and to a lesser extent in the brain, placenta and liver.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DNAJB4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 360 amino acids (1-337 a.a.) and having a molecular mass of 40kDa. DNAJB4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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