
Product Data Sheet

Product Name: DNAJB2 Human

Cat. No.: GP25064

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 2; Dnaj protein homolog 1; Heat shock 40 kDa protein 3; Heat shock protein J1; HSJ-1; DNAJB2; HSJ1; HSPF3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMASYEI LDVPRSASAD DIKKAYRRKA LQWHPDKNPD NKEFAEKKFK EVAEAYEVLS DKHKREIYDR YGREGLTGTG TGPSRAEAGS GPGFTFTFR SPEEVFREFF GSGDPFAELF DDLGPFSELQ NRGSRHSGPF FTFSSSFP GH SDFSSSSFSF SPGAGAFRSV STSTTFVQGR RITRRIMEN GQERVEVEED GQLKSVTING VPDDLALGLE LSRREQQPSV TSRSGGTQVQ QTPASCP LDS DLSEDEDLQL AMAYSLSEME AAGKKPADVF.		
Formulation	The DNAJB2 solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.		

Introduction

DnajB2 is a member of the Dnaj family. The Dnaj family is one of the largest of all the chaperone families which has evolved with diverse cellular localization and functions. DnajB2 are important mediators of proteolysis which are involved in the regulation of protein degradation, exocytosis and endocytosis. The Dnaj proteins play a significant role in the HSP70 chaperone machine by interacting with HSP70 to stimulate ATP hydrolysis. DnajB2 is expressed almost solely in the brain, with the highest levels in the frontal cortex and hippocampus.

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

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

DNAJB2 Human Recombinant fused with a 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 300 amino acids (1-277 a.a.) and having a molecular mass of 33kDa. The DNAJB2 is purified by proprietary chromatographic techniques.

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