

DNAJB2 Human

Description: 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.

Catalog #: HYP5-042

For research use only.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMASYEI LDVPRSASAD
DIKKAYRRKA LQWHPDKNPD NKEFAEKKFK EVAEAYEVLS DKHKREIYDR YGREGLTGTG
TGPSRAEAGS GGPGFTFTFR SPEEVFREFF GSGDPFAELF DDLGPFSELQ NRGSRHSGPF
FTFSSSFGPH SDFSSSSFSF SPGAGAFRSV STSTTFVQGR RITTRRIMEN GQERVEVEED
GQLKSVTING VP

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The DNAJB2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

Stability:

DNAJB2 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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