Recombinant Human DNAJB2, His-tagged

Cat. No. DNAJB2-2859H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DNAJB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 33 kDa (300aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher).
Species	Human
Source	E.coli
Description	DnaJB2, also known as HSJ1 or HSPF3, is belongs to the DnaJ family. It is expressed almost exclusively in the brain, with the highest levels in the frontal cortex and hippocampus. The DnaJ family is one of the largest of all the chaperone families and has evolved with diverse cellular localization and functions. The DnaJ proteins play a critical role in the HSP70 chaperone machine by interacting with HSP70 to stimulate ATP hydrolysis. DnaJB2 is important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGSMASYYEI LDVPRSASAD DIKKAYRRKA LQWHPDKNPD NKEFAEKKFK EVAEAYEVLS DKHKREIYDR YGREGLTGTG TGPSRAEAGS GGPGFTFTFR SPEEVFREFF GSGDPFAELF DDLGPFSELQ NRGSRHSGPF FTFSSSFPGH SDFSSSSFSF SPGAGAFRSV STSTTFVQGR RITTRRIMEN GQERVEVEED GQLKSVTING VPDDLALGLE LSRREQQPSV TSRSGGTQVQ QTPASCPLDS DLSEDEDLQL AMAYSLSEME AAGKKPADVF

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Purity	> 90 % by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
Concentration	1 mg/ml (determined by Bradford assay).
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.

GENE INFORMATION

Gene Name	DNAJB2 DnaJ (Hsp40) homolog, subfamily B, member 2 [Homo sapiens]
Synonyms	DNAJB2; DnaJ (Hsp40) homolog, subfamily B, member 2; HSJ1; HSPF3; dnaJ homolog subfamily B member 2; HSJ-1; OTTHUMP00000205874; OTTHUMP00000205877; OTTHUMP00000205878; heat shock protein J1; dnaJ protein homolog 1; heat shock 40 kDa protein 3; heat shock protein, neuronal DNAJ-like 1
Gene ID	3300
mRNA Refseq	NM_001039550
Protein Refseq	NP_001034639
MIM	604139
UniProt ID	P25686
Chromosome	2q32-q34

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Location	
Pathway	Protein processing in endoplasmic reticulum
Function	Hsp70 protein binding; heat shock protein binding; polyubiquitin binding; proteasome binding; protein binding; unfolded protein binding

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