

DNAJB11 Human

Description: DNAJB11 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 357 amino acids (23-358 a.a.) and having a molecular mass of 40.5kDa. DNAJB11 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: HYP5-049

For research use only.

Synonyms: DnaJ homolog subfamily B member 11, APOBEC1-binding protein 2, ABBP-2, DnaJ protein homolog 9, ER-associated DNAJ, ER-associated Hsp40 co-chaperone, ER-associated dnaJ protein 3, ERdj3, ERj3p, HEDJ, Human DnaJ protein 9, hDj-9, PWP1-interacting protein 4,

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGRDFYKILG VPRSASIKDI
KKAYRKLALQ LHPDRNPDDP QAQEKFDLQ AAYEVLSDE KRKQYDTYGE EGLKDGHQSS
HGDIFSHFFG DFGFMFGGTP RQQRNIPRG SDIIVDEVT LEEVYAGNFV EVVRNKPVAR
QAPGKRKCNC RQEMRTTQLG PGRFQMTQEV VCDECPNVKL VNEERTLEVE IEPGVRDGME
YFIGEGEPH VD

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

Formulation:

The DNAJB11 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

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.

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:

DNAJB11 is a member of the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJB11 serves as a co-chaperone for HSPA5 and binds directly to both unfolded proteins which are substrates for ERAD and nascent unfolded peptide chains, but dissociates from the HSPA5-unfolded protein complex before folding is completed.

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