

## DNAJC12 Human

**Description:** DNAJC12 Human Recombinant produced in E. coli is a single polypeptide chain containing 222 amino acids (1-198) and having a molecular mass of 26kDa (Molecular weight on SDS-PAGE will appear higher). DNAJC12 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** HYP5-060

For research use only.

**Synonyms:** DnaJ homolog subfamily C member 12, J domain-containing protein 1, DNAJC12, JDP1, RP11-57G10.2.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMDAILN YRSEDTEYY  
TLGCDLSS VEQILAEFKV RALECHPDKH PENPKAVETF QKLQKAKEIL TNEESRARYD  
HWRRSQMSMP FQQWEALNDS VKTSMHWVVR GKKDLMLEES DKTHHTKMEN  
EECNEQRERK KEELASTAEK TEQKEPKPLE KSVSPQNSDS SGFADVNGWH LRFRWSKDAP  
SELLRKFRNY EI.

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The DNAJC12 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT and 100mM 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:

DnaJ (Hsp40) Homolog, Subfamily C, Member 12 (DNAJC12) belongs to the DnaJ/Hsp40 family. DnaJ/Hsp40 family members are linked with complex assembly, protein folding, and export. DnaJ/Hsp40 proteins are extremely conserved throughout evolution and function as co-chaperones regulating protein folding, transport, translational initiation and gene expression. DNAJC12 has a role in protein folding and export and is believed to be involved in estrogen control and the development of breast cancer. DNAJC12 is expressed at high levels in the brain, heart, and testis, and at reduced levels in the kidney and stomach.

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