

## DnaJ Human

**Description:** HSP40 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain (aa 1-340) and fused to a 20 aa His Tag at N-terminus, containing a total of 360 amino acids and having a molecular mass of 40.2 kDa. The HSP40 is purified by proprietary chromatographic techniques.

**Catalog #:** HYP5-019

For research use only.

**Synonyms:** HSP-40, HSP40, DnaJ, DNAJB1, HSPF1, Hdj1, DnaJ homolog subfamily B member 1, Heat shock 40 kDa protein 1, Heat shock protein 40, DnaJ protein homolog 1, HDJ-1, Sis1.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGKDYYQTLG LARGASDEEI  
KRAYRRQALR YHPDKNKEPG AEEKFKEIAE AYDVLSDPRK REIFDRYGEE GLKGSGPSSG  
SGGGANGTSF SYTFHGDPHAMFAEFFGGRN PFDTFFGQRN GEEGMDIDDP FSGFPMGMGG  
FTNVNFGRSR SAQEPARKKQ DPPVTHDLRV SLEIYSGCT KKMKISHKRL NPDGKSIRNE  
DKILTIEVKK GWK

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The protein solution contains 20mM Tris-HCl (pH 8.0), 2mM DTT, 0.2mM PMSF and 10% glycerol.

### 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:

Human HSP40 (heat shock protein with molecular size of 40kDa) is one of the mammalian homologues of bacterial DnaJ heat shock protein and regulates cellular processes by aiding in the folding, transport and assembly. HSP40 protein contains the J-domain which controls interaction with the ATPase domain of DnaK.

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