

## 32-5291: Recombinant Human DnaJ (HSP40)

**Alternative Name** 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.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The protein solution contains 20mM Tris-HCl (pH 8.0), 2mM DTT, 0.2mM PMSF and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGKDYYQTLG LARGASDEEI KRAYRRQALR YHPDKNKEPG AEEKFKEIAE AYDVLS DPRK REIFDRY GEE GLKGS GSPSGG SGGGANGTSF SYTFHGDPHAMFAEFFGGRN PFDTFFGQRN GEEGMDIDDP FSGFPMGMGG FTNVNFGRSR SAQEPARKKQ DPPVTHDLRV SLEEIYSGCT KKMKISHKRL NPDGKSIRNE DKILTIEVKK GWKEGKITF PKEGDQTSNN IPADIVFVLK DKPHNIFKRD GSDVIYPARI SLREALCGCT VNVPTLDGRT IPVVF KD VIR PGMRRKVPGE GLPLPKTPEK RGDLIIEFEV IFFERIPQTS RTVLEQVLP I.