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## Product Data Sheet

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Product Name: DnaJ Human  
 Cat. No.: GP25062  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGKDYYQTLG LARGASDEEI KRAYRRQALR YHPDKNKEPG AEEKFKEIAE AYDVLSDPRK REIFDRYGEE GLKGSGPSGG SGGGANGTSF SYTFHGDPHAMFAEFFGGRN PFDTFFGQRN GEEGMDIDDP FSGFPMGMGG FTNVNFGRSR SAQEPARKKQ DPPVTHDLRV SLEEIYSGCT KKMKISHKRL NPDGKSIRNE DKILTIEVKK GWKEGTKITF PKEGDQTSNN IPADIVFVLK DKPHNIFKRD GSDVIYPARI SLREALCGCT VNVPTLDGRT IPVVFKDVir PGMRRKVPGE GLPLPKTPEK RGDLIIEFEV IFPERIPQTS RTVLEQVLPI.		
Formulation	The protein solution contains 20mM Tris-HCl (pH 8.0), 2mM DTT, 0.2mM PMSF and 10% glycerol.		

### 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.

### 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.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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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.

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