



Product Datasheet

Product Name	Recombinant Human DnaJ (HSP40)
Cata No	CB500762
Source	<i>Escherichia Coli.</i>
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.

Description

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.

HSP40 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 360 amino acids and having a molecular mass of 40.2 kDa. The protein includes 6XHis tag fused at N-terminus.

Physical Appearance

Sterile Filtered colorless solution 2

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The protein solution contains 20mM Tris (pH 8.0),

2mM DTT, 0.2mM PMSF and 10% glycerol.

Stability

DnaJ although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

MGSSHHHHH SSGLVPRGSH MGKDYYQTLG
LARGASDEEI KRAYRRQALR YHPDKNKEPG
AEEKFKEIAE AYDVLSDPRK REIFDRYGEE
GLKGSGPSGG SGGGANGTSF
SYTFHGDPHAMFAEFFGGRN PFDTEFFGQRN
GEEGMDIDDP FSGFPMGMGG FTNVNFGRSR
SAQEPARKKQ DPPVTHDLRV SLEEIYSGCT
KKMKISHKRL NPDGKSIRNE DKILTIEVKK
GWKEGTKITF PKEGDQTSNN IPADIVFVLK
DKPHNIFKRD GSDVIYPARI SLREALCGCT
VNVPTLDGRT IPVVFKD VIR PGMRRKVPGE
GLPLPKTPEK RGDIIIEFEV IFPERIPQTS
RTVLEQVLPI.