

Recombinant Human DnaJ (Hsp40)

ORDERING INFORMATION

Catalog Number	Size
11111P-5	5ug
11111P-25	25ug
11111P-1000	1000ug

Formulation: Sterile-filtered colorless solution contains 20mM Tris buffer, pH 8.0, 2mM DTT, 0.2mM PMSF, and 10% glycerol. Purified by proprietary chromatographic techniques.

BACKGROUND

Human Hsp40 is one of the mammalian homologues of bacterial DnaJ heat shock protein and regulates cellular processes by aiding in protein folding, transport, and assembly. Hsp40 protein contains the J-domain which controls interactions with the ATPase domain of DnaK.

DESCRIPTION

Recombinant Human DnaJ (Hsp40) produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 360 amino acids with a molecular weight of 40.2kDa. This protein includes 6X His tag fused at the N-terminus.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Purity: Greater than 95% as determined by SDS-PAGE and RP-HPLC.

Accession number: P25685

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH
MGKDYYQTLG LARGASDEEI
KRAYRRQALR YHPDKNKEPG
AEEKFKEIAE AYDVLSDPRK
REIFDRYGEE GLKGSGPSGG
SGGGANGTSF
SYTFHGDPHAMFAEFFGGRN
PFDTFFGQRN GEEGMDIDDP
FSGFPMGMGG FTNVNFRSR
SAQEPARKKQ DPPVTHDLRV
SLEEIYSGCT KMKKISHKRL
NPDGKSIRNE DKILTIEVKK
GWKEGTKITF PKEGDQTSNN
IPADIVFVLK DKPHNIFKRD
GSDVIYPARI SLREALCGCT
VNVPTLDGRT IPVVFKDVIR
PGMRRKVPGE GLPLPKTPEK
RGDLIIIEFEV IFFERIPQTS
RTVLEQVLPI.

STORAGE AND STABILITY

Although stable at 4°C for 4 weeks, product should be stored at or below -20°C. For long term storage, addition of a carrier protein (0.1% HSA or BSA) is recommended.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.