

## Recombinant Human HspH1 (Hsp105)

### ORDERING INFORMATION

Catalog Number	Size
11124P-5	5ug
11124P-25	25ug
11124P-1000	1000ug

**Formulation:** Sterile-filtered colorless solution in 20mM Tris-HCl, pH 8.0, and 50mM NaCl. Purified by proprietary chromatographic techniques.

### BACKGROUND

HspH1 is a member of the mammalian Hsp105/110 family, a subgroup of the Hsp70 family. Two isoforms of HspH1, alpha and beta, have been identified. HspH1 associates with Hsp70/Hsc70 as complexes and negatively regulates the chaperone activity of Hsp70/Hsc70 in vivo and in vitro. HspH1 is highly expressed in many human tumors.

### DESCRIPTION

Recombinant human HspH1 produced in *E. coli* is a single, non-glycosylated polypeptide containing 894 amino acids with a molecular weight of 100kDa. It is expressed with a His-tag at the N-terminus.

### SPECIFICATION SUMMARY

**Source:** *Escherichia coli*

**Purity:** Greater than 90% as determined by SDS-PAGE and RP-HPLC.

**Accession number:** Q92598

### **Amino acid sequence:**

MRGSHHHHHH GMASMTGGQQ  
MGRDLYDDDD KDRWGSMSV  
GLDVGSQSCY IAVARAGGIE TIANEFSDRC  
TPSVISFGSK NRTIGVAAKN QQITHANNTV  
SNFKRFHGRA FNDPFIQKEK ENLSYDLVPL  
KNGGVGIVM YMGEHLFSV EQITAMLLTK  
LKETAENSLK KPVTDCVISV PSFFTDAERR  
SVLDAAQIVG LNCLRLMNDM TAVALNYGIY  
KQDLPSLDEK PRIVVFVDMG HSAFQVSACA  
FNKGKLVLG TAFDPFLGGK NFDEKLVEHF  
CAEFKTKYKL DAKSKIRALL RLYQECEK  
KLMSSNSTDL PLNIECFMND KDVSGKMNR  
S QFEELCAELL QKIEVPLYSL LEQTHLKVED  
VSAVEIVGGA TRIPAVKERI AKFFGKDIST  
TLNADEA  
VAR GCALQCAILS PAFKVVREFSV  
TDAVFPFISL IWNHDESDTE GVHEVFSR  
NH AAPFSKVLTF LRRGPFELEA FYSDPQGV  
PYPY PEAKIGRFVV QNVSAQKDGE KSRV  
KVKVRV NTHGIFTIST ASMVEKVPTE EN  
EMSSEADM ECLNQRPPEN PDTDKNVQQD  
NSEAGTQPQV QTDAQQTSQS PPSPELT  
SEE NKIPDADKAN EKKVDQPPEA KKP  
KIKVVNV ELPIEANLVW QLGKDLLNMY  
IETEGKMIMQ DKLEKERNDA KNAVEEY  
VYE FRDKLCGPYE KFICEQDHQN FL  
RLLTETED WLYEEGEDQA KQAYVDKLEE  
LMKIGTPVKV RFQEAERP MFEELGQRLQ  
HYAKIAADFR NKDEKYNHID ESEMKKVEKS  
VNEVMEWMNN VMNAQAKKSL DQDPVV  
RAQE IKTKIKELNN TCEPVVTQPK PKIE  
SPKLER TPNGPNIDKK EEDLEDKNNF  
GAEPHQNGE CYPNEKNSVN MDLD.

### STORAGE AND STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store at or below -20°C for longer periods of time. Addition of a carrier protein (such as 0.1% HSA or BSA) is recommended for long-term storage.

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