

Recombinant Human HspH1 Protein, N-His-tagged

Cat. No. HspH1-051H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HspH1 protein with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	858
Description	This gene encodes a member of the heat shock protein 70 family of proteins. The encoded protein functions as a nucleotide exchange factor for the molecular chaperone heat shock cognate 71 kDa protein (Hsc70). In addition, this protein plays a distinct but related role as a holdase that inhibits the aggregation of misfolded proteins, including the cystic fibrosis transmembrane conductance regulator (CFTR) protein. Elevated expression of this protein has been observed in numerous human cancers.
Form	Solution
Molecular Mass	100 kDa
AA Sequence	MSVVGLDVGSQSCYIAVARAGGIETIANEFSDRCTPSVISFGSKNRTIGVAAKNQQIT HANNTVSNFKRFHGRAFNDFPIQKEKENLSYDLVPLKNGGVGKVMYMGEEHLFSV EQITAMLLTKLKETAENSLKKPVTDCVISVPSFFTD AERRSVLDAAQIVGLNCLRLMN DMTAVALNYGIYKQDLPSLDEKPRIVVFVDMGHSAFQVSACAFNKGKLVLTAFDP FLGGKNFDEKLVEHFCAEFKTKYKLDASKIRALLRLYQECEKLLKMSSNSTDLPLN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLLEQTHLKVEDVSAVEIVGGAT
 RIPAVKERIAKFFGKDISTTLNADEAVARGCALQCAILSPAFAKVRFSVTDAVPFPISLI
 WNHDSEDETEGVHEVFSRNHAAPFSKVLTFLLRRGPFLEAFYSDPQGVYPYPEAKIGR
 FVVQNVSQAQKDGEKSRVKVKVRVNTHGIFTISTASMVEKVPTEENEMSSEADMECL
 NQRPPENPDTDKNVQQDNSEAGTQPQVQTDAQQTSQSPPSPELTSEENKIPDADK
 ANEKKVDQPPEAKKPKIKVVNVELPIEANLVWQLGKDLLNMYIETEGKMIMQDKLEK
 ERNDAKNAVEEYVYEFDRDKLCGPYEKFICEQDHQNFLLTETEDWLYEEGEDQAK
 QAYVDKLEELMKIGTPVKVRFQEAERPDKMFEELGQRLQHYAKIAADFRNKDEKYN
 HIDESEMKKVEKSVNEVMEWMNNVMNAQAKKSLDQDPVVRAQEIKTKIKELNNTCE
 PVVTQPKPKIESPKLERTPNGPNIDKKEEDLEDKNNFGAEPHPQNGECYPNEKNSV
 NMDLD

Purity	> 90%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	4°C
Concentration	1 mg/mL
Storage Buffer	Tris-HCl (pH 8). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	HSPH1 heat shock 105kDa/110kDa protein 1 [Homo sapiens (human)]
Official Symbol	HspH1
Synonyms	HSPH1; heat shock 105kDa/110kDa protein 1; heat shock protein 105 kDa; HSP105A; HSP105B; KIAA0201; NY CO 25; antigen NY-CO-25; heat shock 105kD beta; heat shock 105kD alpha; heat shock 110 kDa protein; heat shock 105kDa protein 1; HSP105; NY-CO-25; DKFZp686M05240;
Gene ID	10808
mRNA Refseq	NM_006644
Protein Refseq	NP_006635
MIM	610703
UniProt ID	Q92598

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA