

Recombinant Full Length Human HSPH1 Protein, C-Flag-tagged

Cat. No. HSPH1-594HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSPH1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	96.7 kDa
AA Sequence	MSVVGLDVGSQSCYIAVARAGGIETIANEFSDRCTPSVISFGSKNRTIGVAAKNQQIT HANNTVSNFKRF HGRAFNDFPIQKEKENLSYDLVPLKNGGVGKVMYMGEEHLFSV EQITAMLLTKLKETAENSLKKPVTDC VISVPSFFTD AERRSVLDAAQIVGLNCLRLMN DMTAVALNYGIYKQDLPSLDEKPRIVVFVDMGHSAFQV SACAFNKGKLVLTAFD PFLGGKNFDEKLVEHFCAEFKTKYKLDKSKIRALLRLYQECEKLKKLMSSN STDLP

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LNIECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLLEQTHLKVEDVSAVEIVGG
 ATRIPAV KERIAKFFGKDISTTLNADEAVARGCALQCAILSPAFAKREFSVTDVAPFPI
 SLIWNHDSSEDETEGVHEVF SRNHAAPFSKVLTLFRRGPFELEAFYSDPQGVPEAKI
 GRFVVQNVSAQKDGEKSRVKVKVRVNTGIF TISTASMVEKVPTEENEMSSEADM
 ECLNQRPPENPDTDKNVQQDNSEAGTQPQVQTDAAQTSQSPPSPEL TSEENKIPD
 ADKANEKKVDQPPEAKKPKIKVVNVELPIEANLVWQLGKDLLNMYIETEGKMIMQDK
 LEKE RNDAKNAVEEYVVEFRDKLCGPYEKFICEQDHQNFLRLLTETEDWLYEEGED
 QAKQAYVDKLEELMKIGT PVKVRFQEAERPDKMFEELGQRLQHYAKIAADFRNKDE
 KYNHIDESEMKKVEKSVNEVMEWMNNVMNAQA KKSLDQDPVVRAQEIKTKIKELN
 NTCEPVVTQPKPKIESPKLERTPNGPNIDKKEEDLEDKNNFGAEPPI
 QNGECYPNEKNSVNMDLDRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Stem cell - Pluripotency
Full Length	Full L.

GENE INFORMATION

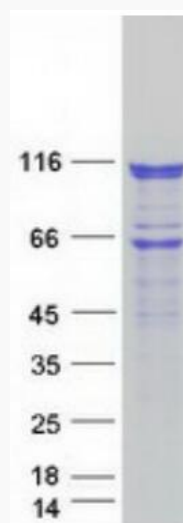
Gene Name **HSPH1 heat shock protein family H (Hsp110) member 1 [Homo sapiens (human)]**

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Official Symbol	HSPH1
Synonyms	HSP105; HSP105A; HSP105B; NY-CO-25
Gene ID	10808
mRNA Refseq	NM_006644.4
Protein Refseq	NP_006635.2
MIM	610703
UniProt ID	Q92598



Coomassie blue staining of purified HSPH1 protein.