

## Recombinant Human HSPH1 Protein, GST-tagged

**Cat. No.** HSPH1-5261H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human HSPH1 full-length ORF ( NP_006635.2, 1 a.a. - 858 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. [provided by RefSeq, Mar 2017] |
| <b>Molecular Mass</b>   | 123.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MSVVGLDVGSQSCYIAVARAGGIETIANEFSDRCTPSVISFGSKNRTIGVAAKNQQIT<br>HANNTVSNFKRFHGRAFNDFPIQKEKENLSYDLVPLKNGGVGKVMYMGEEHLFSV<br>EQITAMLLTKLKETAENSLKKPVTDCVISVPSFFTDERRSVLDAAQIVGLNCLRLMN<br>DMTAVALNYGIYKQDLPSLDEKPRIVVFVDMGHSAFQVSACAFNKGKLVLTAFDP<br>FLGGKNFDEKLVEHFCAEFKTKYKLDASKIRALLRLYQECEKLLKLMSSNSTDLPLN<br>IECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLLEQTHLKVEDVSAVEIVGGAT<br>RIPAVKERIAKFFGKDISTTLNADEAVARGCALQCAILSPAFAKVFREFSVTDVPPFISLI                                                                                                        |

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WNHDSDETEGVHEVF SRNHAAPFSKVL TFLRRGPFELEAFYSDPQGVYPYPEAKIGR  
FVVQNVSAQKDGEKSRVKVKVRVNT HGIFTISTASMVEKVPTEENEMSSEADMECL  
NQRPPENPD TDKNVQQDNSEAGTQPQVQTDAQQTSQSPPSPELTSEENKIPDADK  
ANEKKVDQPPEAKKPKIKVVNVELPIEANLVWQLGKDLLNMYIETEGKMIMQDKLEK  
ERNDAKNAVEEYVYEF RDKLCGPYEKFICEQDHQNFLRLLTETEDWLYEEGEDQAK  
QAYVDKLEELMKIGTPVKVRFQEA EERP KMFEELGQRLQHYAKIAADFRNKDEKYN  
HIDSEMMKKVEKSVNEVMEWMNNVMNAQAKKSLDQDPVVRAQEIKTKIKELNNTCE  
PVVTQPKPKIESPKLERTPNGNIDKKEEDLEDKNNFGAEP PHQNGECYPNEKNSV  
NMDLD

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[HSPH1 heat shock 105kDa/110kDa protein 1 \[ Homo sapiens \]](#)

**Official Symbol**

[HSPH1](#)

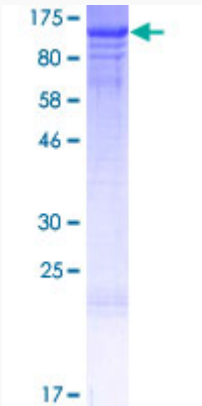
**Synonyms**

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;

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                 | 10808                                                                                                                                 |
| mRNA Refseq             | NM_006644                                                                                                                             |
| Protein Refseq          | NP_006635                                                                                                                             |
| MIM                     | 610703                                                                                                                                |
| UniProt ID              | Q92598                                                                                                                                |
| Quality Control Testing |  <p>12.5% SDS-PAGE Stained with Coomassie Blue</p> |