

## Product datasheet for **TP307102L**

### Hsp105 (HSPH1) (NM\_006644) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heat shock 105kDa/110kDa protein 1 (HSPH1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC207102 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSVWGLDVGSQSCYIAVARAGGIETIANEFSDRCTPSVISFGSKNRTIGVAAKNQQITHANNTVSNFKRF  
HGRAFNDFPIQKEKENLSYDLVPLKNGGVGKVMYMGEEHLFSVEQITAMLLTKLKETAENSLKKPVTD  
VISVPSFFTDAAERRSVLDAAQIVGLNCLRLMNDMTAVALNYGIYKQDLPSLDEKPRIVFVDMGHSAFQV  
SACAFNKGKLVLTAFDPFLGGKNFDEKLVEHFCAEFKTKYKLDASKIRALLRLYQECEKLKMLSSN  
STDLPNIECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLEQTHLKVEDVSAVEIVGGATRIPAV  
KERIAKFFGKDISTTLNADEAVARGCALQCAILSPAFAKVRFSVTDVAVPFIPLIWNHDSSEDETEGVHEVF  
SRNHAAPFSKVLTLRRLGPFLEAFYSDPQGVPEAKIGRFVQNVSAQKDGESRVKVKVRVNTHGIF  
TISTASMVEKVPTEENEMSSEADMECLNQRPPENPDTDKNVQQDNSEAGTQPQVQTDAAQTSQSPSP  
TSEENKIPDADKANEEKVDQPPEAKPKIKVWVNLPIEANLVWQLGKDLLNMYIETEGKMIMQDKLEKE  
RNDAKNAVEEYVYFRDKLCGPYEKFACEQDHQNFLLRLLTETEDWLYEEGEDQAKQAYVDKLEELMKIGT  
PVKVRFQEAERPMMFEELGQRLQHYAKIAADFRNKDEKYNHIDSEMMKKVEKSVNEVMEWMNNVMNAQA  
KKSLDQDPVWRAQEIKTKIKELNNTCEPVVTQPKPKIESPKLERTPNGPNIDKKEEDLEDKNNFGAEP  
QNGECYPNEKNSVNMDLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

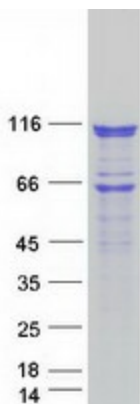
Tag:	C-Myc/DDK
Predicted MW:	96.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006635</a>
<b>Locus ID:</b>	10808
<b>UniProt ID:</b>	<a href="#">Q92598</a> , <a href="#">A0A024RDS1</a>
<b>RefSeq Size:</b>	5360
<b>Cytogenetics:</b>	13q12.3
<b>RefSeq ORF:</b>	2574
<b>Synonyms:</b>	HSP105; HSP105A; HSP105B; NY-CO-25
<b>Summary:</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>Protein Families:</b>	Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified HSPH1 protein (Cat# [TP307102]). The protein was produced from HEK293T cells transfected with HSPH1 cDNA clone (Cat# [RC207102]) using MegaTran 2.0 (Cat# [TT210002]).