

Product datasheet for **TP307102M**

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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC207102 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSVWGLDVGSQSCYIAVARAGGIETIANEFSDRCTPSVISFGSKNRTIGVAAKNQQITHANNTVSNFKRF
HGRAFNDPFIQKEKENLSYDLVPLKNGGVGIKVMYMGEEHLFSVEQITAMLLTKLKETAENSLKKPVTD
VISVPSFFTDAAERRSVLDAAQIVGLNCLRLMNDMTAVALNYGIYKQDLPSLDEKPRIVFVDMGHSAFQV
SACAFNKGKLVLTAFDPFLGGKNFDEKLVEHFCAEFKTKYKLDASKIRALLRLYQECEKLKMLSSN
STDLPNIECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLEQTHLKVEDVSAVEIVGGATRIPAV
KERIAKFFGKDISTTLNADEAVARGCALQCAILSPAFAKVRFSVTDVAVPFIPLIWNHDSSEDETEGVHEVF
SRNHAAPFSKVLTLRRGPFELEAFYSDPQGVPYPEAKIGRFVQNVSAQKDGESRVKVKVRVNTHGIF
TISTASMVEKVPTEENEMSSEADMECLNQRPPENPDTDKNVQQDNSEAGTQPQVQTDAAQTSQSPSP
TSEENKIPDADKANEEKVDQPPEAKPKIKVWVNLPIEANLVWQLGKDLLNMYIETEGKMIMQDKLEKE
RNDAKNAVEEYVYFRDKLCGPYEKFACEQDHQNFLLRLLTETEDWLYEEGEDQAKQAYVDKLEELMKIGT
PVKVRFQEAERPMMFEELGQRLQHYAKIAADFRNKDEKYNHIDSEMMKKVEKSVNEVMEWMNNVMNAQA
KKSLDQDPVVRAQEIKTKIKELNNTCEPVVTQPKPKIESPKLERTPNGPNIDKKEEDLEDKNNFGAEP
QNGECYPNEKNSVNMDLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

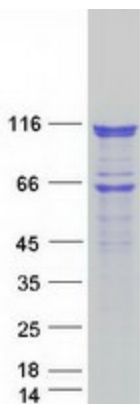
Tag:	C-Myc/DDK
Predicted MW:	96.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



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