

Product datasheet for PH307102

Hsp105 (HSPH1) (NM_006644) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSPH1 MS Standard C13 and N15-labeled recombinant protein (NP_006635)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207102
Predicted MW:	96.9 kDa
Protein Sequence:	>RC207102 protein sequence Red=Cloning site Green=Tags(s)

MSVVGLDVGSQLCYIAVARAGGIETIANEFSDRCTPSVISFGSKNRTIGVAAKNQQIITHANNTVSNFKRF
HGRAFNDFPIQKEKENLSYDLVPLKNGGVGKVMYMGEEHLFSVEQITAMLLTKLKETAENSLKKPVTD
VISVPSFFTDERRSVLDAAQIVGLNCLRLMNDMTAVALNYGIYKQDLPDLDEKPRIVVFVDMGHSAFQV
SACAFNKGKLVLTAFDPFLGGKNFDEKLVEHFCAEFKTKYKLDKSKIRALLRLYQCEKLLKLMSSN
STDPLNIECFMNDKDVSGKMNRSQFEELCAELLQKIEVPLYSLLEQTHLKVEDVSAVEIVGGATRIPAV
KERIAKFFGKDISTTLNADEAVARGCALQCAILSPAFKVPREFSVTDAVPFPIISLIWNHDSSEDETEGVHEV
SRNHAAPFSKVL TFLRRGPFELEAFYSDPQGVPEAKIGRFVQNVSAQKDGESRVKVKVRVNTHGIF
TISTASMVEKVPTEENEMSSEADMECLNQRPPENPDTDKNVQDNSEAGTQPQVQTDAAQTSQSPSPSEL
TSEENKIPDADKANEKVDQPPEAKPKIKVVNVELPIEANLVWQLGKDLLNMYIETEGKIMQDKLEKE
RNDAKNAVEEYVYFRDKLCGPYEKICEQDHQNFRLRLTETEDWLYEEGEDQAKQAYVDKLEELMKIGT
PVKVRFQEAERPKMFEELGQRLQHYAKIAADFRNKDEKYNHIDESEMKKVEKSVNEVMEWMNNVMAQA
KKSLLDQDPVVRAQEIKTIKELNNTCEPVVTQPKPKIESPKLERTPNGNIDKKEEDLEDKNNGAEPH
QNGECYPNEKNSVNMDDL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_006635](#)

RefSeq Size: 5360

RefSeq ORF: 2574

Synonyms: HSP105; HSP105A; HSP105B; NY-CO-25

Locus ID: 10808

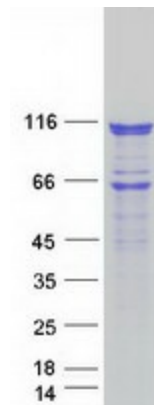
UniProt ID: [Q92598](#), [A0A024RDS1](#)

Cytogenetics: 13q12.3

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]).