

Datasheet for ABIN2722568

HSPH1 Protein (Myc-DYKDDDDK Tag)**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	HSPH1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPH1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human Heat shock protein 105 / HSP105 protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	HSPH1
Alternative Name:	Heat Shock Protein 105,hsp105 (HSPH1 Products)
Background:	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

Target Details

been observed in numerous human cancers.

Molecular Weight: 96.7 kDa

NCBI Accession: [NP_006635](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

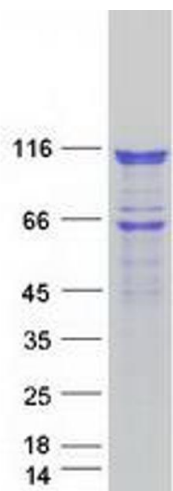
Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in: Kozuma, Takada, Toyokawa, Kohashi, Shimokawa, Hirai, Tagawa, Okamoto, Oda, Maehara: "Indoleamine 2,3-dioxygenase 1 and programmed cell death-ligand 1 co-expression correlates with aggressive features in lung adenocarcinoma." in: **European journal of cancer (Oxford, England : 1990)**, Vol. 101, pp. 20-29, (2019) ([PubMed](#)).

Puccetti, Fallarino, Italiano, Soubeyran, MacGrogan, Debled, Velasco, Bodet, Eimer, Veldhoen, Prendergast, Platten, Bessede, Guillemin: "Accumulation of an endogenous tryptophan-derived metabolite in colorectal and breast cancers." in: **PLoS ONE**, Vol. 10, Issue 4, pp. e0122046, (2015) ([PubMed](#)).



Western Blotting

Image 1. Validation with Western Blot