

Recombinant Human HSPH1 293 Cell Lysate

Cat. No. HSPH1-5338HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for heat shock 105kDa/110kDa protein 1 (HSPH1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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;

Gene ID

[10808](#)

mRNA Refseq

[NM_006644](#)

Protein Refseq

[NP_006635](#)

MIM

[610703](#)

UniProt ID

[Q92598](#)

Chromosome Location

13q12.2-q13.3

Pathway

Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;

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Function

ATP binding; alpha-tubulin binding; nucleotide binding;

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