

Human HSPA9 Knockdown Cell Lysate

Cat. No. HSPA9-354HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated HSPA9 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.
Form	Cell-Tissue Lysis buffer
Molecular Mass	74 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg HSPA9 KD HeLa cell lysate
Protein Families	Stem cell - Pluripotency
Protein Pathways	RNA degradation
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	HSPA9 heat shock 70kDa protein 9 (mortalin) [Homo sapiens (human)]
Official Symbol	HSPA9
Synonyms	HSPA9; heat shock 70kDa protein 9 (mortalin); heat shock 70kDa protein 9B (mortalin 2), HSPA9B; stress-70 protein, mitochondrial; GRP75; mot 2; mthsp75; PBP74; mortalin-2; p66-mortalin; mortalin, perinuclear; heat shock 70kD protein 9B; peptide-binding protein 74; 75 kDa glucose-regulated protein; CSA; MOT; MOT2; GRP-75; HSPA9B; MTHSP75; MGC4500;
Gene ID	3313
mRNA Refseq	NM_004134
Protein Refseq	NP_004125
MIM	600548
UniProt ID	P38646

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