

Recombinant Human HSPA9, GST-tagged

Cat. No. HSPA9-13989H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSPA9 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	331-679a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HSPA9 heat shock 70kDa protein 9 (mortalin) [Homo sapiens]
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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
Chromosome Location	5q31.1
Pathway	Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem; RNA degradation, organism-specific biosystem; RNA degradation, conserved biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosystem;
Function	ATP binding; enzyme binding; nucleotide binding; protein binding; unfolded protein binding;