Recombinant Human Heat Shock 70kDa Protein 9 (mortalin), GST-tagged

Cat. No. HSPA9-4852H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Mortalin (47-end) protein was expressed in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	47-end a.a.
Description	Mortalin is a mitochondrial chaperone and a member of the heat shock protein 70 family that is constitutively expressed in cells. Mortalin plays a central role in mitochondrial biogenesis through its capacity to direct the import of nuclear-encoded proteins into the mitochondria. Mortalin plays a role in the control of cell proliferation and elevated levels of mortalin have correlated with malignant transformation and poor cancer prognosis.
Applications	Western Blot
Molecular Weight	97 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

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Purity	>80%
Concentration	0.2 ug/ul
Sequences	47-end
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	RNA degradation; Tuberculosis

GENE INFORMATION

Gene Name	HSPA9 heat shock 70kDa protein 9 (mortalin) [Homo sapiens]
Official Symbol	HSPA9
Synonyms	HSPA9; heat shock 70kDa protein 9 (mortalin); CSA; MOT; MOT2; GRP75; PBP74; GRP-75; HSPA9B; MGC4500; MTHSP75; stress-70 protein, mitochondrial; mortalin-2; p66-mortalin; OTTHUMP00000159494; mortalin, perinuclear; heat shock 70kD protein 9B; peptide-binding protein 74; 75 kDa glucose-regulated protein
Gene ID	3313
mRNA Refseq	NM_004134
Protein Refseq	NP_004125
MIM	600548

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UniProt ID	P38646
Chromosome Location	5q31
Function	ATP binding; nucleotide binding; protein binding; unfolded protein binding

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