**Mortalin Protein**

Recombinant human protein expressed in Sf9 cells

Catalog # M54-31G  
Lot # R255-1

### Product Description

Recombinant human Mortalin (47-end) protein was expressed in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004134.

### Gene Aliases

HSPA9; CSA; GRP75; HSPA9B; MGC4500; MOT; mot-2; MOT2; MTHSP75; PBP74

### Formulation

Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

### Storage and Stability

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.

### Scientific Background

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 mortal in have correlated with malignant transformation and poor cancer prognosis. Mortalin can support cancer cell resistance to complement-dependent cytotoxicity [1]. Mortalin expression was decreased in the mitochondrial fraction of neurons from the substantia nigra of Parkinson disease patients [2].

### References


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