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## Datasheet for ABIN6699929 HSPA9 Protein (GST tag)

### Overview

Quantity:	20 µg
Target:	HSPA9
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPA9 protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	Mortalin recombinant protein-GST fusion protein
Purification:	Recombinant human Mortalin (47-end) protein was expressed in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Purity:	>80%

### Target Details

Target:	HSPA9
Alternative Name:	HSPA9 ( <a href="#">HSPA9 Products</a> )
Background:	Synonyms: HSPA9, CSA, GRP75, HSPA9B, MGC4500, MOT, mot-2, MOT2, MTHSP75, PBP74, Stress-70 protein, mitochondrial 75 kDa glucose-regulated protein, GRP-75, Heat shock 70 kDa protein 9, Mortalin, MOT, Peptide-binding protein 74, PBP74

## Target Details

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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 mortalin 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). Mortalin Protein is ideal for investigators involved in Signaling Proteins, Cell Stress & Chaperone Proteins, Apoptosis/Autophagy, and Cancer research.

NCBI Accession: [NM\\_004134](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: Mortalin Protein is suitable for use in Western Blot. Expect a band approximately ~97 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.2 mg/mL

Buffer: Mortalin Protein is 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.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months