

**HSPA9, 47-679aa, Human, His-Tagged, Recombinant, E.coli**

**Cat.NO.: TP02531**

3th Edition

**Synonyms:**Heat shock 70kDa protein 9, Mortalin, GRP75, mot-2, HSPA9B, PBP74, CSA

**Description:**HSPA9 belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. HSPA9 was localized to chromosome 5, band q31, a region that is frequently deleted in myeloid leukemias and myelodysplasia (MDS), making it a candidate tumor suppressor gene, which is consistent with the biological function of its murine homologue.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5mM DTT,10% glycerol

**Molecular Weight:**71 kDa (654 aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMASEAIKGAVVGIDLGTTNSCVAVMEGKQAKVLENAEGARTTPSVVAFTADGERL  
VGMPAKRQAVTNPNNTFYATKRLIGRRYDDPEVQKDIKNVPFKIVRASNGDAWVEAHGKLYSPSQIGAFVLMKMKE  
TAENYLGHATAKNAVITVPAYFNDSQRQATKDAGQISGLNVLRVINEPTAAALAYGLDKSEDKVIAVYDLGGGTFDISIL  
EIQKGVFEVKSTNGDTFLGGEDFDQALLRHIVKEFKRETGVDLTKDNMALQRVREAAEKAKCELSVVQTDINLPYL  
TMDSSGPKHLNMKLTRAQFEGIVTDLIRRTIAPCQKAMQDAEVSKSDIGEVLVGGMTRMPKVQQTVQDLFGRAPS  
KAVNPDEAVAIGAAIQGGVLAGDVTDLVLLDVTPLSLGIETLGGVFTKLINRNTTIPTKKSQVFSTAADGQTQVEIKVC  
QGEREMAGDNKLLGQFTLIGIPAPRGVPQIEVTFDIDANGIVHVSADKGTGREQQIVIQSSGGLSKDDIENMVKN  
AEKYAEEDRRKKERVEAVNMAEGIIHDTETKMEEFKDQLPADECNKLKEEISKMRELLARKDSETGENIRQAASSLQ  
QASLKLFEEMAYKKMASEREGSGSGTGEQKEDQKEEKQ

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.