

Heat Shock 70kDa protein 9 Recombinant Protein | HSPA9 recombinant protein

Recombinant Human Heat Shock 70kDa protein 9

CATALOG # AAA38743	HOST E Coli
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PRODUCT SYNONYMS

Heat Shock 70kDa protein 9; Recombinant Human Heat Shock 70kDa protein 9; HSPA9 Human; Heat Shock 70kDa Protein 9 Human Recombinant; Mortalin; GRP75; MOT2; GSPA9B; PBP74; MOT-2; MTHSP75; Stress-70 protein mitochondrial; 75 kDa glucose-regulated protein; GRP 75; Heat shock 70 kDa protein 9; Peptide-binding protein 74; MOT; HSPA9; HSPA9B; CSA; MGC4500; HSPA9 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The HSPA9 protein solution contains 20mM Tris-HCl, pH-8, 10% glycerol and 0.5mM DTT. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMAS EAIKGAVVGI DLGTTNSCVA VMEGKQAKVL ENAEGARTTP SVVAFTADGE RLVGMMPAKRQ AVTNPNNTFY ATKRLIGRRY DDPEVQKDIK NVPFKIVRAS NGDAWVEAHG KLYSPSQIGA FVLMKMKETA ENYLGH TAKN AVITVPAYFN DSQRQATKDA GQISGLNVLR VINEPTAAAL AYGLDKSEDK VIAVYDLGGG TFDISILEIQ KGVFEVKSTN GDTFLGGEDF DQALLRHIVK EFKRETGVDL TKDNMALQRV REAAEKAKCE LSSSVQTDIN LPYLTMDSG PKHLNMKLTR AQFEGIVTDL IRRTIAPCQK AMQDAEVSKS DIGEVILVGG MTRMPKVQQT VQDLFGRAPS KAVNPDEAVA IGAAIQGGVL AGDVTDLVLL DVTPLSLGIE TLGGVFTKLI NRNTTIPTKK SQVFSTAADG QTQVEIKVCQ GEREMAGDNK LLGQFTLIGI PPAPRGVPQI EVTFDIDANG IVHVSADKDG TGREQQIVIQ SSGGLSKDDI ENMVKNAEKY AEEDRRKKER VEAVNMAEGI IHDTEKME EFKDQLPADEC NKLKEEISKM RELLARKDSE TGENIRQAAS SLQQASLKLF EMAYKKMASE REGSGSSGTG EQKEDQKEEK Q
Sequence Length	679
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HSPA9 recombinant protein	Description: Recombinant Human HSPA9 produced in E Coli is a single, non-glycosylated polypeptide chain containing 654 amino acids (47-679) and having a molecular mass of 71 kDa. HSPA9 is expressed with a 20 amino acid His tag fused at N-Terminus and purified by proprietary chromatographic techniques. Introduction: HSPA9 is part of the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members that are also called heat-shock cognate proteins. HSPA9 encodes a heat-shock cognate protein that is involved in the control of cell proliferation and acts as a chaperone. HSPA9 was restricted to chromosome 5, band q31, a region that is often 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. HSPA9 suppresses nuclear translocation, transcriptional activation, and control of centrosome-duplication functions of p53.
Product Categories/Family for HSPA9 recombinant protein	Heat Shock Proteins; Recombinant Proteins; Heat Shock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	24234688
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NCBI GeneID	3313
NCBI Accession #	NP_004125.3
NCBI GenBank Nucleotide #	NM_004134.6
UniProt Accession #	P38646 ; P30036 ; P31932 ; Q1HB43 ; Q53H23 ; Q6GU03 ; Q9BWB7 ; Q9UC56 ; B2RCM1
Molecular Weight	73,680 Da
NCBI Official Full Name	stress-70 protein, mitochondrial
NCBI Official Synonym Full Names	heat shock 70kDa protein 9 (mortalin)
NCBI Official Symbol	HSPA9
NCBI Official Synonym Symbols	CSA; MOT; MOT2; CRP40; GRP75; PBP74; GRP-75; HSPA9B; MTHSP75; HEL-S-124m
NCBI Protein Information	stress-70 protein, mitochondrial; 75 kDa glucose-regulated protein; catecholamine-regulated protein 40; epididymis secretory sperm binding protein Li 124m; heat shock 70kD protein 9B; mortalin, perinuclear; mortalin-2; p66-mortalin; peptide-binding protein 74
UniProt Protein Name	Stress-70 protein, mitochondrial
UniProt Gene Name	HSPA9
UniProt Synonym Gene Names	GRP75; HSPA9B; mt-HSP70; GRP-75; MOT; PBP74
UniProt Entry Name	GRP75_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hspa9-recombinant-protein-e-coli/38743>