9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HSPA9 Human

Heat Shock 70kDa Protein 9 Human Recombinant
RCP1083

Product Overview

Name	HSPA9 Human
Description	
Heat Shock 70kDa Protein 9 Human Recombinant	
Accession (Primary)	P38646
Synonyms	
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.	
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 supresses nuclear translocation, transcriptional activation, and control of centrosome-duplication functions of p53.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The HSPA9 protein solution contains 20mM Tris-HCl, pH-8, 10% glycerol and 0.5mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MASEAIKGAV VGIDLGTTNS CVAVMEGKQA KVLENAEGAR TTPSVVAFTA	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DGERLVGMPA KRQAVTNPNN TFYATKRLIG RRYDDPEVQK DIKNVPFKIV RASNGDAWVE AHGKLYSPSQ IGAFVLMKMK ETAENYLGHT AKNAVITVPA YFNDSQRQAT KDAGQISGLN VLRVINEPTA AALAYGLDKS EDKVIAVYDL GGGTFDISIL EIQKGVFEVK STNGDTFLGG EDFDQALLRH IVKEFKRETG VDLTKDNMAL QRVREAAEKA KCELSSSVQT DINLPYLTMD SSGPKHLNMK LTRAQFEGIV TDLIRRTIAP CQKAMQDAEV SKSDIGEVIL VGGMTRMPKV QQTVQDLFGR APSKAVNPDE AVAIGAAIQG GVLAGDVTDV LLLDVTPLSL GIETLGGVFT KLINRNTTIP TKKSQVFSTA ADGQTQVEIK VCQGEREMAG DNKLLGQFTL IGIPPAPRGV PQIEVTFDID ANGIVHVSAK DKGTGREQQI VIQSSGGLSK DDIENMVKNA EKYAEEDRRK KERVEAVNMA EGIIHDTETK MEEFKDQLPA DECNKLKEEI SKMRELLARK DSETGENIRQ AASSLQQASL KLFEMAYKKM ASEREGSGSS GTGEQKEDQK EEKQ.

Precautions

HSPA9 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P38646)