

Recombinant Full Length Human HSPA9 Protein, C-Flag-tagged

Cat. No. HSPA9-477HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSPA9 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	73.5 kDa
AA Sequence	MISASRAAAARLVGAAASRGPTAARHQDSWNGLSHEAFRLVSRRDYASEAIKGAVV GIDLGTTNSCVAVM EGKRAKVLENAEGARTTPSVVAFTADGERLVGMPAKRQAVT NPNNTFYATKRLIGRRYDDPEVQKDIKNV PFKIVRASNGDAWVEAHGKLYSPSQIGA FVLMKMKETAENYLGRTAKNAVITVPAYFNDSQRQATKDAGQ ISGLNVLRVINEPTA AALAYGLDKSEDKVIAYVDLGGGTFDISILEIQKGVFEVKSTNGDTFLGGEDFDQ ALL RHIVKEFKRETGVDLTKDNMALQRVREAAEKAKCELSSSVQTDINLPYLTMDSSGPK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HLNMKLTRAQ FEGIVTDLIRRTIAPCQKAMQDAEVSKSDIGEVLVGGMTRMPKVQQ
 TVQDLFGRAPSKAVNPDEAVAIG AAIQGGVLAGDVTDVLLLDVTPLSLGIETLGGVFT
 KLINRNTTIPTKKSQVFSTAADGQTQVEIKVCQGE REMAGDNKLLGQFTLIGIPPAPR
 GVPQIEVTFDIDANGIVHVSADKGTGREQQIVIQSSGGLSKDDIEN MVKNAEKYAE
 EDRRKKERVEAVNMAEGIIHDTETKMEEFKDQLPADECNKLKEEISKMRELLARKDS
 ETG
 ENIRQAASSLQQASLKLFEEMAYKKMASEREGSGSSGTGEQKEDQKEEKQTRTRPL
 EQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Stem cell - Pluripotency
Protein Pathways	RNA degradation
Full Length	Full L.

GENE INFORMATION

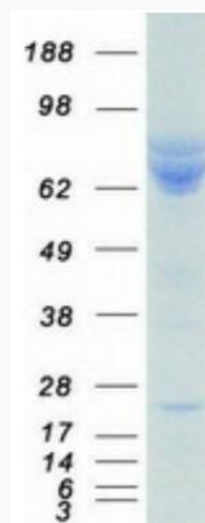
Gene Name HSPA9 heat shock protein family A (Hsp70) member 9 [Homo sapiens (human)]

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Official Symbol	HSPA9
Synonyms	CSA; MOT; MOT2; SAAN; CRP40; EVPLS; GRP75; PBP74; GRP-75; HSPA9B; SIDBA4; MTHSP75; HEL-S-124m
Gene ID	3313
mRNA Refseq	NM_004134.7
Protein Refseq	NP_004125.3
MIM	600548
UniProt ID	P38646



Coomassie blue staining of purified HSPA9 protein.