

Recombinant Full Length Human HSPA8 Protein, C-Flag-tagged

Cat. No. HSPA8-342HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSPA8 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 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	70.7 kDa
AA Sequence	MSKGPAVGIDLGTTYSCVGVFQHGKVEIANDQGNRTTPSYVAFTDTERLIGDAAKN QVAMNPTNTVFDA KRLIGRRFDDAVVQSDMKHWPFMVVNDAGRPKVQVEYKGET KSFYPEEVSSMVLTKMKEIAEAYLGKTVT NAVVTVPAYFNDSQRQATKDAGTIAGLN VLRIINEPTAAAIAYGLDKKVGAEARNVLIFDLGGGTFDVSIL TIEDGIFEVKSTAGDTHL GGEDFDNRMVNHFIAEFKRKHKKDISENKRVRRLRTACERAKRTLSSSTQA SIEID

 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

SLYEGIDFYTSITRARFEELNADLFRGTLDPVEKALRDAKLDKSQIHDIVLVGGSTRIP
 KIQKLL QDFFNGKELNKSINPDEAVAYGAAVQAAILSGDKSENVQDLLLLDVTPLSLG
 IETAGGVMTVLIKRNTTI PTKQTQTFTTYSNQPVGVLIVYEGERAMTKDNNLLGKF
 ELTGIPPAPRGVPQIEVTFDIDANGILNVSA VDKSTGKENKITITNDKGRLSKEDIERM
 VQEAKEYKAEDEKQRDKVSSKNSLESYAFNMKATVEDEKLQG KINDEDKQKILDKC
 NEIINWLDKNQTAEKEEFEHQQKELEKVCNPIITKLYQSAGGMPGGMPGGFPGGGA
 PPSGGASSGPTIEEVDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Spliceosome
Full Length	Full L.

GENE INFORMATION

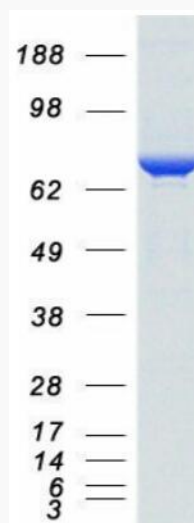
Gene Name HSPA8 heat shock protein family A (Hsp70) member 8 [Homo sapiens (human)]

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Official Symbol	HSPA8
Synonyms	LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-1; NIP71; HEL-33; HSPA10; HEL-S-72p
Gene ID	3312
mRNA Refseq	NM_006597.6
Protein Refseq	NP_006588.1
MIM	600816
UniProt ID	P11142



Coomassie blue staining of purified HSPA8 protein.