

Recombinant Full Length Human HSPA8 Protein, GST-tagged

Cat. No. HSPA8-3962HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSPA8 full-length ORF (AAH16179, 1 a.a. - 646 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	646 amino acids
Description	The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein 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. Two alternatively spliced variants have been characterized to date. [provided by RefSeq]
Molecular Mass	96.80 kDa
AA Sequence	MSKGPVAGIDLGTTYSCVGVFQHGKVEIANDQGNRTTPSYVAFTDTERLIGDAAKN QVAMNPTNTVFDARLIGRRFDDAVVQSDMKHWPFMVVNDAGRPKVQVEYKGETK SFYPEEVSSMVLTKMKEIAEAYLGKTVTNAVVTVPAYFNDSQRQATKDAGTIAGLNV LRIINEPTAAAIAYGLDKKVGAEARNVLIIFDLGGGTFDVSILTIEDGIFEVKSTAGDTHLG GEDFDNRMVNHFIAEFKRKHKKDISENKRVRRLRTACERAKRTLSSSTQASIEIDSL YEGIDFYTSITRARFEELNADLFRGTLDPVEKALRDAKLDKSQIHDIIVLVGGSTRIPKIQ

 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

KLLQDFFNKELNKSINPDEAVAYGAAVQAAILSGDKSENVQDLLLLDVTPLSLGIET
 AGGVMTVLIKRNTTIPTKQTQTFTTYSNQPGLVLIQVYEGERAMTKDNNLLGKFELT
 GIPPAPRGVPQIEVTFDIDANGILNVSAVDKSTGKENKITITNDKGRLSKEDIERMVQE
 AEKYKAEDEKQRDKVSSKNSLESYAFNMKATVEDEKLQGKINDEKQKILDKCNEIIN
 WLDKNQTAEKEEFEHQKQKELEKVCNPIITKLYQSAGGMPGGMPGGFPGGGAPPSG
 GASSGPTIEEVD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

HSPA8 heat shock 70kDa protein 8 [Homo sapiens]

Official Symbol

HSPA8

Synonyms

HSPA8; heat shock 70kDa protein 8; heat shock 70kD protein 8 , HSPA10; heat shock cognate 71 kDa protein; HSC70; HSC71; HSP73; LPS-associated protein 1; heat shock 70kd protein 10; heat shock cognate protein 54; constitutive heat shock protein 70; lipopolysaccharide-associated protein 1; N-myristoyltransferase inhibitor protein 71; LAP1; HSC54; HSP71; NIP71; HSPA10; MGC29929; MGC131511;

Gene ID

3312

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mRNA Refseq	NM_006597
Protein Refseq	NP_006588
MIM	600816
UniProt ID	P11142

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