

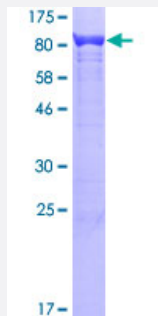
Full-Length

HSPA8 (Human) Recombinant Protein (P02)

Catalog # H00003312-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HSPA8 full-length ORF (AAH16660, 1 a.a. - 646 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSKGPAVGIDLGTTYSYSCVGVFQHGKVEIANDQGNRTTPSYVAFDTERLIGDAAKNQVAMNPTNT
VFDAKRLIGRRFDDAVVQSDMKHWPFMVNDAGRPKVQVEYKGETKSFYEEVSSMVLTKMKE
IAEAYLGKTVTNAVVTVPAYFNDSQRQATKDAGTIAGLNVLRINEPTAAAAYGLDKKVGAEARNVLIF
DLGGGTFDVSILTIEDGIFEVKSTAGDTHLGGEDFDNRMVNHFAEFKRKHKKDISENKRAVRRLRT
ACERAKRTLSSSTQASIEIDSLYEGIDFYTSITRARFEELNADLFRGTLDPVEKALRDAKLDKSQIHD
VLVGGSTRIPKIQKLLQDFNKGELNKSINPDEAVAYGAAVQAAILSGDKSENVQDLLLLDVTPSL
GIETAGGVMTVLIKRNNTIPTKQTQFTTYSNQPGLVLIQVYGERAMTKDNLLGKFELTGIPPAPR
GVPQIEVTFDIDANGILNVSAVDKSTGKENKITITNDKGRLSKEDIERMVQEAKEYKADEKQRDKV
SSKNSLESYAFNMKATVEDEKLQGGKINDEKQKILDKCNEIINWLDKNQTAEKEEFHQKKELEK
VCNPIITKLYQSAGGMPGGMPGGFPGGGAPPSGGASSGPTIEEVD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.8

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — HSPA8

Entrez GeneID	3312
GeneBank Accession#	BC016660
Protein Accession#	AAH16660
Gene Name	HSPA8
Gene Alias	HSC54, HSC70, HSC71, HSP71, HSP73, HSPA10, LAP1, MGC131511, MGC29929, NIP71
Gene Description	heat shock 70kDa protein 8
Omim ID	600816
Gene Ontology	Hyperlink

Gene Summary	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]
--------------	---

Other Designations

LPS-associated protein 1|N-myristoyltransferase inhibitor protein 71|constitutive heat shock prote
in 70|heat shock 70kD protein 8|heat shock 70kd protein 10|heat shock cognate protein 54|heat s
hock cognate protein, 71-kDa|lipopolysaccharide-associated pro

Pathway

- [Antigen processing and presentation](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Aneurysm](#)
- [Aortic Aneurysm](#)
- [Asthma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)

- [Renal Insufficiency](#)
- [Werner syndrome](#)