

Recombinant Full Length Human HSPA2 Protein, GST-tagged

Cat. No. HSPA2-3817HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSPA2 full-length ORF (AAH01752, 1 a.a. - 639 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	639 amino acids
Description	HSPA2 (Heat Shock Protein Family A (Hsp70) Member 2) is a Protein Coding gene. Diseases associated with HSPA2 include Varicocele and Inflammatory Bowel Disease 3. Among its related pathways are mRNA Splicing - Major Pathway and Proteolysis Role of Parkin in the Ubiquitin-Proteasomal Pathway. GO annotations related to this gene include enzyme binding and glycolipid binding. An important paralog of this gene is HSPA8.
Molecular Mass	96.03 kDa
AA Sequence	MSARGPAIGIDLGTTYSCVGVFQHGKVEIANDQGNRTPSYVAFTDTERLIGDAAKN QVAMNPTNTIFDAKRLIGRKFGDATVQSDMKHWPFRVSEGGKPKVQVEYKGETKT FFPEEISSMVLTKMKEIAEAYLGKGVHSAVITVPAYFNDSQRQATKDAGTITGLNVLRI INEPTAAAIAYGLDKKGCAGGEKNVLIFDLGGGTFDVSILTIEDGIFEVKSTAGDTHLG GEDFDNRMVSHLAEFEKFKHKKDIGPNKRAVRRRLRTACERAKRTLSSSTQASIEIDS LYEGVDFYTSITRARFEELNADLFRGTLPEVEKALRDAKLDKGGQIQEIVLVGGSTRIPK IQKLLQDFFNKELNKSINPDEAVAYGAAVQAAILIGDKSENVQDLLLLDVTPLSLGIE

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TAGGVMTPLIKRNTTIPTKQTQTFTTYSQSSVLVQVYEGERAMTKDNNLLGKFDL
 TGIPPAPRGVVPQIEVTFDIDANGILNVTAADKSTGKENKITITNDKGRLSKDDIDRMVQ
 EAERYKSEDEANRDRVAAKNALESYTYNIKQTVEDEKLRGKISEQDKNKILDKCQEVI
 NWLDRNQMAEKDEYEHKQKELERVVCNPIISKLYQGGPGGGSGGGSGASGGPTIE
 EVD

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
[HSPA2 heat shock 70kDa protein 2 \[Homo sapiens \]](#)

Official Symbol
[HSPA2](#)

Synonyms
 HSPA2; heat shock 70kDa protein 2; heat shock 70kD protein 2; heat shock-related
 70 kDa protein 2; HSP70-2; HSP70-3;

Gene ID
[3306](#)

mRNA Refseq
[NM_021979](#)

Protein Refseq
[NP_068814](#)

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MIM	140560
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UniProt ID	P54652
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