

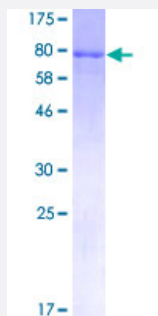
Full-Length

HSPA2 (Human) Recombinant Protein (P01)

Catalog # H00003306-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HSPA2 full-length ORF (AAH01752, 1 a.a. - 639 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSARGPAIGIDLGTYSYCVGVFQHGKVEIANDQGNRTTPSYVAFDTERLIGDAAKNQVAMNPTNT
IFDAKRLIGRKFGDATVQSDMKHWPFRVVSEGGKPKVQVEYKGETKTFPPEEISSMVLTKMKEIA
EAYLGKVVHSAVITVPAYFNDSQRQATKDAGTITGLNVLRIINEPTAAAIAAYGLDKKGCAGGEKNVLI
FDLGGGTFDVSILTIEDGIFEVKSTAGDTHLGGEDFDNRMVSHLAEFVKRKHKKDIGPNKRAVRRL
RTACERAKRTLSSSTQASIEIDSLYEGVDFYTSITRARFEELNADLFRGTLEPVEKALRDAKLDKGQ
IQEMLVGGSTRIPKIQKLLQDFFNGKELNKSINPDEAVAYGAAVQAAAILGDKSENVQDLLLLDVTP
SLGIETAGGVMTPLIKRNTTIPTKQTQTFTTYSNQS SVLVQVYEGERAMTKDNNLLGKFDLTGIPP
APRGVPQIEVTFDIDANGILNVTAADKSTGKENKITITNDKGRLSKDDIDRMVQEAERYKSEDEANR
DRVAAKNALESYTYNIKQTVEDEKLRGKISEQDKNKILDKCQEVINWLDNRNQMAEKDEYEHKQKE
LERVCNPIISKLYQGGPGGGSGGGGSGASGGPTIEVD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.03

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 — HSPA2

Entrez GeneID	3306
GeneBank Accession#	BC001752
Protein Accession#	AAH01752
Gene Name	HSPA2
Gene Alias	HSP70-2, HSP70-3
Gene Description	heat shock 70kDa protein 2
Omim ID	140560
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000180664 heat shock 70kD protein 2

Pathway

- [Antigen processing and presentation](#)
- [Endocytosis](#)

- [MAPK signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Bone Resorption](#)
- [Cognition](#)
- [Colitis](#)
- [Community-Acquired Infections](#)
- [Crohn Disease](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Inflammatory Bowel Diseases](#)
- [Intestinal Diseases](#)
- [Leishmaniasis](#)
- [Lupus Erythematosus](#)
- [Metaplasia](#)
- [Osteoporosis](#)
- [Pancreatitis](#)
- [Pneumonia](#)
- [Precancerous Conditions](#)
- [Shock](#)
- [Spondylitis](#)