

Recombinant Human HSPA1B Protein, GST-tagged

Cat. No. HSPA1B-5102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSPA1B partial ORF (NP_005336, 531 a.a. - 611 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq]
Molecular Mass	34.65 kDa
AA Sequence	VQRERVSAKNALESYAFNMKSAVEDEGLKGKISEADKKKVLDKCQEVISWLDANTLA EKDEFEHKRKELEQVCNPIISGLY
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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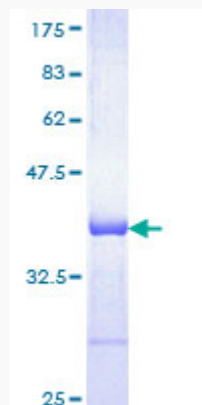
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HSPA1B heat shock 70kDa protein 1B [Homo sapiens]
Official Symbol	HSPA1B
Synonyms	HSPA1B; heat shock 70kDa protein 1B; heat shock 70kD protein 1B; heat shock 70 kDa protein 1A/1B; HSP70 2; HSP70-1/HSP70-2; HSP70.1/HSP70.2; heat shock 70 kDa protein 1/2; HSPA1A; HSP70-2; HSP70-1B; FLJ54328;
Gene ID	3304
mRNA Refseq	NM_005346
Protein Refseq	NP_005337
MIM	603012
UniProt ID	P08107

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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