

# Recombinant Rat Hspa2 protein, His & S-tagged

**Cat. No.** Hspa2-8256R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Hspa2 aa. (Leu23~Ile314) fused with N-terminal His & S tag was produced in E. coli cells.                                                                      |
| <b>Species</b>          | Rat                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                         |
| <b>ProteinLength</b>    | Leu23~Ile314                                                                                                                                                                   |
| <b>Description</b>      | Involved in repeated binding and release of substrate.                                                                                                                         |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                            |
| <b>Molecular Mass</b>   | 40kDa as determined by SDS-PAGE reducing conditions.                                                                                                                           |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 5.5.                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                       |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage Buffer**

Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

Hspa2 heat shock protein family A member 2 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Hspa2

**Synonyms**

Hspa2; heat shock protein family A member 2; Hst70; Hspt70; heat shock-related 70 kDa protein 2; HST; heat shock 70kDa protein 2; heat shock protein 2; heat shock protein 70.2; heat shock protein alpha 2; testis-specific heat shock protein-related gene hst70

**Gene ID**

60460

**mRNA Refseq**

NM\_021863.3

**Protein Refseq**

NP\_068635.1

**UniProt ID**

P14659

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA