

Recombinant Mouse Hspa14 overexpression lysate

Cat. No. Hspa14-23HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Transient overexpression lysate of Mouse heat shock protein 14 (Hspa14), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.

Preparation: HEK293T cells in 10-cm dishes were transiently transfected. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit. Cell lysates were aliquoted and stored at -20 centigrade before shipping.

Components:

1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer

1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer

1 vial of 250 µL 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)

Species

Mouse

Source

HEK293

Description

Component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, binds to the nascent polypeptide chain, while DNAJC2 stimulates its ATPase activity.

Molecular Mass

54.7 kDa

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Stability	Avoid repeated freeze-thaw cycles. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade.
Storage	Upon receiving, store the sample at -20 centigrade.
Reconstitution	Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage.
Shipping	The lysate is shipped with dry ice.

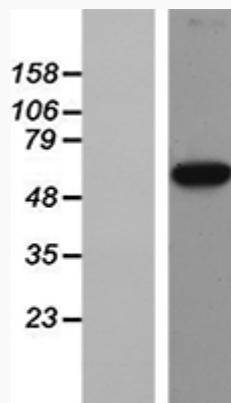
GENE INFORMATION

Gene Name	Hspa14 heat shock protein 14 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Hspa14
Synonyms	Hspa14; heat shock protein 14; 70kDa; NST-1; hsr.1; HSP70L1; Hsp70-4; heat shock 70 kDa protein 14; Names; heat shock 70kDa protein 14; heat shock protein 4; heat shock protein, 70 kDa 4;
Gene ID	50497
mRNA Refseq	NM_015765
Protein Refseq	NP_056580
UniProt ID	Q99M31

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