



Recombinant Mouse HSPA8 Protein Product Manual

1. Product Basic Information

Product No.: REP07164

Protein Name: Epididymis Luminal Protein 33 (HSPA8)

Aliases: LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-NIP71; HEL-33; HSPA10; HEL-S-72p; epididymis luminal protein 33; heat shock cognate protein 54; heat shock cognate 71 kDa protein; constitutive heat shock ...

UniProt ID: P11142

UniProt Link: <https://www.uniprot.org/uniprotkb/P11142/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-646aa)

Molecular Weight: 78.2 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (2-646aa)

SKGPAVGIDLGTTYSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAKNQ
VAMNPTNTVFDKRLIGRRFDDAVVQSDMKHWPFMVVNDAGRPKVQVEYKGETK
SFYPEEVSSMVLTKMKEIAEAYLGKTVTNAVVTVPAYFNDSQRQATKDAGTIAGLNV
LRIINEPTAAAIAYGLDKKVGAEARNVLIFDLGGGTFDVSILTIEDGIFEVKSTAGDTHLG
GEDFDNRMVNHFIAEFKRKHKKDISENKRAVRRLRTACERAKRTLSSSTQASIEIDS
LYEGIDFYTSITRARFEELNADLFRGTLDPVEKALRDAKLDKSIHDLVGGSTRIPK
IQKLLQDFFNGKELNKSINPDEAVAYGA AVQAAILSGDKSENVQDLLLLDVTPLSLGI
ETAGGVMTVLIKRNTTIPTKQTQTFTTYSNQPGLVLIQVYEGERAMTKDNNLLGKFE
LTGIPPAPRGVPQIEVTFDIDANGILNVSAVDKSTGKENKITITNDKGRLSKEDIERMV
QEAKEYKADEKQRDKVSSKNSLESYAFNMKATVEDEKLQGKINDEDKQKILDKCN
EISWLDKNQTAEKEEFHQKQKELEKVCNPIITKLYQSAGGMPGGMPGGFPGGGAP
PSGGASSGPTIEEVD

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse HSPA8 full length of mature protein protein (2-646aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. HSPA8, also known as LAP1 or HSC54 or HSC70, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.