



Recombinant Human HSPA1A Protein Product Manual

1. Product Basic Information

Product No.: REP07159

Protein Name: Heat Shock-Induced Protein (HSPA1A)

Aliases: HSP70; HSP72; HSPA1; HSP70I; HSP70-HSP70-HSP70.HSP70.HSP70-1A; HEL-S-103; heat shock-induced protein; Heat shock 70 kDa protein 1B; heat shock 70 kDa protein 1A; epididymis secretory protein Li 103; e...

UniProt ID: P0DMV8

UniProt Link: <https://www.uniprot.org/uniprotkb/P0DMV8/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (2-641)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (2-641)

AKAAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAKNQV
ALNPQNTVFDKRLIGRKFGDPVVQSDMKHWPQVINDGDKPKVQVSYKGETKAF
YPEEISSMVLTKMKEIAEAYLGYPVTNAVITVPAYFNDSQRQATKDAGVIAGLNVLRII
NEPTAAAIAYGLDRTGKGERNVLIFDLGGGTDFDVSILTIDDGIFEVKATAGDTHLGGE
DFDNRLVNHVFVEEFKRKHKKDISQNKRAVRRLRTACERAKRTLSSSTQASLEIDSLF
EGIDFYTSITRARFEELCSDLFRSTLEPVEKALRDAKLDKAQIHDLVLVGGSTRIPKV
QKLLQDFFNGRDLNKSINPDEAVAYGAAVQAAILMGDKSENVQDLLLLDVAPLSLGL
ETAGGVMTALIKRNSTIPTKQTQIFTTYSNDNQPGVLIQVYEGERAMTKDNNLLGRFE
LSGIPPAPRGVPQIEVTFDIDANGILNVTATDKSTGKANKITITNDKGRLSKEEIERMV
QAEKYKAEDEVQRERVSAKNALESYAFNMKSAVEDEGLKGKISEADKKKVLDKC
QEVISWLDANTLAEKDEFEHKRKELEQVCNPIISGLYQGAGGPGPGGFGAQQGPKG
GSGSGPTIEEVD



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom 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 Human HSPA1A full length of mature protein protein (2-641) expressed in Yeast. HSPA1A, also known as HSP70 or HSP72 or HSPA1, 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.