



Recombinant Mouse HSPA1L Protein Product Manual

1. Product Basic Information

Product No.: REP07161

Protein Name: Heat Shock 70 Kda Protein 1L (HSPA1L)

Aliases: HSP70T; hum70t; HSP70-1L; HSP70-HOM; heat shock 70 kDa protein 1L; heat shock 70 kDa protein 1-Hom; heat shock 70kDa protein 1-like; heat shock 70 kDa protein 1-like; heat shock protein family A membe...

UniProt ID: P34931

UniProt Link: <https://www.uniprot.org/uniprotkb/P34931/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-641aa)

Molecular Weight: 77.5 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-641aa)

MAANKGMAIGIDLGTYSYSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAA
KNQVAMNPQNTVFDKRLIGRKFNPDVQSDMKLWPFQVINEAGKPKVMVSYKGE
KKAIFYPEEISSMVLTKMKETAFLGHNVNAVITVPAYFNDSQRQATKDAGVIAGL
NVLRIINEPTAAAIAYGLDKGSHGERHVLIFDLGGGTFDVSILTIDGIFEVKATAGDT
HLGGEDFDNRLVSHFVEEFKRKHKKDISQNKRAVRRLRTACERAKRTLSSSTQANL
EIDSLYEGIDFYTSITRARFEELCADLFRGTLEPVEKSLRDAKMDKAKIHDIIVLVGGST
RIPKVQKLLQDYFNGRDLNKSINPDEAVAYGAHVQAAILMGDKSEKVQDLLLLLDVAP
LSLGLETAGGVMTVLIKRNSTIPTKQTQIFTTYSNQPGLVLIQVYEGGERAMTRDNNLL
GRFDLTGIPPAPRGVPQIEVTFDIDANGILNVTAMDKSTGKANKITITNDKGRLSKEEI
ERMVQEAERYKAEDEGQREKIAAKNALESYAFNMKSAVGDEGLKDKISESDKKKIL
DKCNEVLSWLEANQLAEKDEFDHKRKELENMCNPIITKLYQSGCTGPTCTPGYTPG
RAATGPTIEEVD

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 HSPA1L full length protein (1-641aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. HSPA1L, also known as HSP70T or hum70t or HSP70-1L, 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.