

Recombinant Heat shock 70 kDa protein 1A (Hspa1a)

Catalog No.: TP10731

100 μ g

Sequence Information

Species: Rat

Gene ID: 108348108

Swiss Prot: P0DMW0

Synonyms: HS71A

Residues: Met1-Asp641

MAKKTAIGIDLGTTYSVGVFQHGVKEIIANDQGNRTTPSYVAFTDTERLIGDA
AKNQVALNPQNTVFDAKRLIGRKFGDPVVQSDMKHWPFQVVNDGDKPKVQVNYK
GENRSFYPEEISSMVLTKMKEIAEAYLGHPTVNAVITVPAYFNDNSQRQATKDAG
VIAGLNVLRRIINEPTAAAIAYGLDRTGKGERNVLIFDLGGGTFDVSIILTIDGI
FEVKATAGDTHLGGEDFDNRLVSHFVEEFKRKHKKDISQNKRRAVRRRLTACERA
KRTLSSSTQASLEIDSLSFEGIDFYTSITRARFEELCSDLFRGTLPEVKEALRDA
KLDKAQIHDVLVLLGGSTRIPKVQKLLQDFFNGRDLNKSINPDEAVAYGAAVQAA
ILMGDKSENVQDLLLVDAPLSLGLETAGGVMATALIKRNSTIPTKQTQTFTTYS
DNQPGVLIQVYEGERAMTRDNNLLGRFELSGIPPAPRGVPQIEVTFDIDANGIL
NVTATDKSTGKANKITITNDKGRSLKEEIERMVQEAERYKAEDEVQRERVAKN
ALESYAFNMKSAVEDEGLKGKISEADKKVLDKCQEVISWLDNTLAEKEEFVH
KREELERVCNPIISGLYQGAGAPGAGGGFGAQAPKGGSGSGPTIEEV

Product Information

Source: Recombinant expression.

Host: *E.coli*

Tags: N-terminal His-Tag

Subcellular Location: Secreted, Cytoplasm.

Purity: >90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Original Concentration: 200 μ g/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.5

Predicted Molecular Mass: 73.6kDa

Accurate Molecular Mass: 74kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

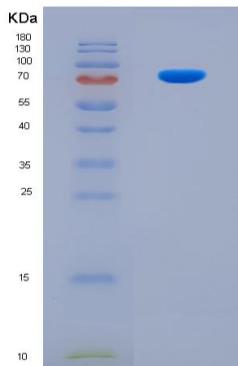


Figure 1. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.