Recombinant Heat Shock 70kDa Protein 14 (HSPA14) Instruction Manual

SIPD800Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	56.0kDa
Accurate Molecular Mass	56kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Ser509 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.8
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MAAIGVHLGC TSACVAVYKD GRAGVVANDA GDRVTPAVVA YSENEEIVGL
AAKQSRIRNI SNTVMKVKQI LGRSSSDPQA QKYIAESKCL VIEKNGKLRY
EIDTGEETKF VNPEDVARLI FSKMKETAHS VLGSDANDVV ITVPFDFGEK
QKNALGEAAR AAGFNVLRLI HEPSAALLAY GIGQDSPTGK SNILVFKLGG
TSLSLSVMEV NSGIYRVLST NTDDNIGGAH FTETLAQYLA SEFQRSFKHD
VRGNARAMMK LTNSAEVAKH SLSTLGSANC FLDSLYEGQD FDCNVSRARF
ELLCSPLFNK CIEAIRGLLD QNGFTADDIN KVVLCGGSSR IPKLQQLIKD
LFPAVELLNS IPPDEVIPIG AAIEAGILIG KENLLVEDSL MIECSARDIL
VKGVDESGAS RFTVLFPSGT PLPARRQHTL QAPGSISSVC LELYESDGKN
SAKEETKFAQ VVLQDLDKKE NGLRDILAVL TMKRDGSLHV TCTDQETGKC
EAISIEIAS
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USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

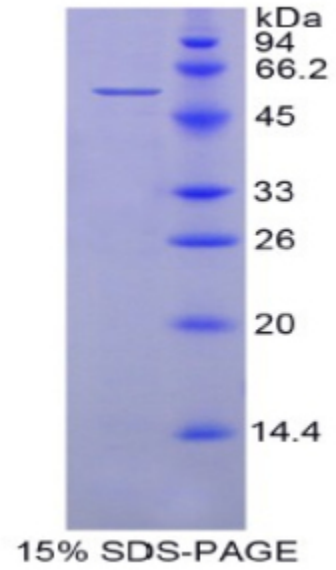
STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image



SDS-PAGE Image

[IMPORTANT NOTE]

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