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YBB081Hu01 10 μ g

Recombinant Heat Shock 70kDa Protein 1A (HSPA1A)

Organism: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Met1~Asp641

Tags: N-terminal His-Tag

Accession: P08107

Host: *E. coli*

Subcellular Location: Cytoplasm.

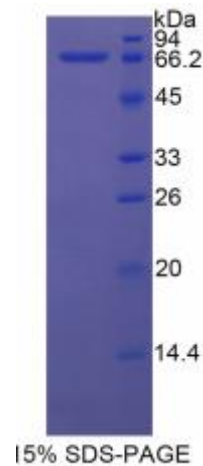
Purity: >90%

Endotoxin Level: <1.0EU per 1 μ g (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.

Predicted isoelectric point: 5.7

Predicted Molecular Mass: 71.6kDa



[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.



[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

**MAKAAAIGID LGTTYSCVGV FQH GKVEIIA NDQGNRTTPS YVAFTDTERL IGDAAKNQVA
LNPQNTVFDA KRLIGRKFGD PVVQSDMKHW PFQVINDGDK PKVQVSYKGE TKAFYPEEIS
SMVLTKMKEI AEAYLGYPT NAVITVPAYF NDSQRQATKD AGVIAGLNVL RIINEPTAAA
IAYGLDRTGK GERNVLIIDL GGGTFDVSIL TIDGIFEVK ATAGDTHLGG EDFDNRLVNH
FVEEFKRKHK KDISQNKRAV RRLRTACERA KRTLSSSTQA SLEIDSLFEG IDFYTSITRA
RFEELCSDLF RSTLEPVEKA LRDAKLDKAK IHDLVLVGGG TRIPKVQKLL QDFFNGRDLN
KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLS LGLETAGGVM TALIKRNSTI
PTKQTQIFTT YSDNQPGVLI QVYEGERAMT KDNLLGRFE LSGIPPAPRG VPQIEVTFDI
DANGILNVTA TDKSTGKANK ITITNDKGRL SKEEIERMVQ EAEKYKAEDE VQRERVSANK
ALESYAFNMK SAVEDEGLKG KISEADKKKV LDKCQEVISW LDANTLAEKD EFEHKRKELE
QVCNPIISGL YQGAGGPGPG GFGAQGPKGG SGSGPTIEEV D**

[REFERENCES]

- 1. Zagouri F., *et al.* (2012) *Mol. Biol. Rep.* 39:10873-10879.**
- 2. Lu T.S., *et al.* (2012) *Cardiovasc. Res.* 96:524-532.**
- 3. Chien C.Y., *et al.* (2012) *Audiol. Neurotol.* 17:381-385.**
- 4. Lu H.Q., *et al.* (2012) *Zhonghua Yu Fang Yi Xue Za Zhi* 46:452-455.**