

RPA822Hu01 50µg
Recombinant Heat Shock 60kD Protein 1, Chaperonin (HSPD1)
Organism Species: 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~Phe573

Tags: N-terminal His-Tag

Accession: P10809

Host: *E. coli*

Subcellular Location: Mitochondrion matrix.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg

(determined by the LAL method).

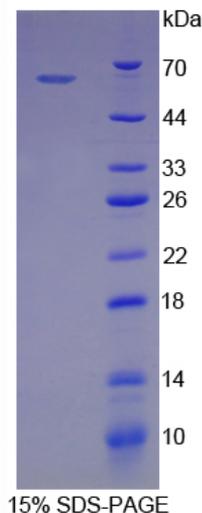
Formulation: Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% sarcosyl and 5% trehalose.

Predicted isoelectric point: 6.1

Predicted Molecular Mass: 62.3kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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



[USAGE]

Reconstitute in sterile ddH₂O.

[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.

MLRLPTVFRQ MRPVSRVLAP HLTRAYAKDV KFGADARALM LQGVDLLADA VAVTMGPKGR
TVIIQSWGS PKVTKDGVTV AKSIDLKDKY KNIGAKLVQD VANNTNEEAG DGTTTATVLA
RSIAKEGF EK ISKGANPVEI RRGVMLAVDA VIAELKKQSK PVTTPPEEIAQ VATISANGDK
EIGNIISDAM KKVGRKGVIT VKDGKTLNDE LEIIEGMKFD RGYISPYFIN TSKGQKCEFQ
DAYVLLSEKK ISSIQSIVPA LEIANHRKP LVIIAEDVDG EALSTLVLNR LKVGLQVVAV
KAPGFGDNRK NQLKDMAIAT GGAVFGEEGL TLNLEDVQPH DLGKVGEVIV TKDDAMLLKG
KGDKAQIEKR IQEIIQLDV TTSEYEKEKL NERLAKLSDG VAVLKVGGTS DVEVNEKKDR
VTDALNATRA AVEEGIVLGG GCALLRCIPA LDSLTPANED QKIGIEIIR TLKIPAMTIA
KNAGVEGLI VEKIMQSSSE VGYDAMAGDF VNMVEKGIID PTKVVRTALL DAAGVASLLT
TAEVVVTEIP KEEKDPGMGA MGGMGGGMGG GMF

[REFERENCES]

1. Magen D., *et al.* (2008) *Am. J. Hum. Genet.* 83:30-42.
2. Merle N., *et al.* (2012) *Mitochondrion* 12:441-448.
3. Peng C., *et al.* (2011) *Mol. Cell. Proteomics* 10:M111.012658.01-M111.012658.12.
4. Burkard T.R., *et al.* (2011) *BMC Syst. Biol.* 5:17-17.