

RPC343Hu02 10µg Recombinant Heat Shock 70kDa Protein 5 (HSPA5) Organism Species: *Homo sapiens (Human) Instruction manual* 

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

# Coud-Clone Corp.

## [PROPERTIES]

Source: Prokaryotic expression Host: *E.coli* Residues: Glu19~Leu654

Tags: N-terminal GST Tag

Subcellular Location: Secreted

**Purity:** > 90%

**Traits:** Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

Original Concentration: 350µg/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: 4.7

Predicted Molecular Mass: 96.5kDa

Accurate Molecular Mass: 96kDa as determined by SDS-PAGE reducing conditions.

### [<u>USAGE</u>]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 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.

### [SEQUENCE]

# Cloud-Clone Corp.

	EE	EDKKEDVGTV	VGIDLGTTYS	CVGVFKNGRV
EIIANDQGNR	ITPSYVAFTP			
RTWNDPSVQQ	DIKFLPFKVV	EKKTKPYIQV	DIGGGQTKTF	APEEISAMVL
TKMKETAEAY	LGKKVTHAVV	TVPAYFNDAQ	RQATKDAGTI	AGLNVMRIIN
EPTAAAIAYG	LDKREGEKNI	LVFDLGGGTF	DVSLLTIDNG	VFEVVATNGD
THLGGEDFDQ	RVMEHFIKLY	KKKTGKDVRK	DNRAVQKLRR	EVEKAKRALS
SQHQARIEIE	SFYEGEDFSE	TLTRAKFEEL	NMDLFRSTMK	PVQKVLEDSD
LKKSDIDEIV	LVGGSTRIPK	IQQLVKEFFN	GKEPSRGINP	DEAVAYGAAV
QAGVLSGDQD	TGDLVLLDVC	PLTLGIETVG	<b>GVMTKLIPRN</b>	TVVPTKKSQI
FSTASDNQPT	VTIKVYEGER	PLTKDNHLLG	TFDLTGIPPA	PRGVPQIEVT
FEIDVNGILR	VTAEDKGTGN	KNKITITNDQ	NRLTPEEIER	MVNDAEKFAE
EDKKLKERID	TRNELESYAY	SLKNQIGDKE	KLGGKLSSED	KETMEKAVEE
KIEWLESHQD	ADIEDFKAKK	KELEEIVQPI	ISKLYGSAGP	PPTGEEDTAE
KDEL				

#### [IDENTIFICATION]

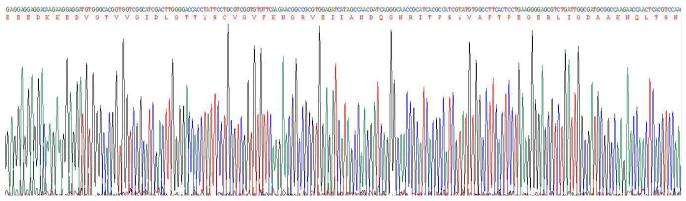


Figure. Gene Sequencing (Extract)



Figure. SDS-PAGE

### [<u>IMPORTANT NOTE</u>]



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.