

Recombinant Heat Shock 70kDa Protein 5 (HSPA5) Instruction Manual

SIPC514Hu02

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	96.5kDa
Accurate Molecular Mass	96kDa(Analysis of differences refer to the manual)
Residues & Tags	Glu19~Leu654 with N-terminal GST Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	4.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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EE EDKKEDVGTV VGIDLGTTYS CVGVFKNGRV
EIIANDQGMR ITPSYVAFTP EGERLIGDAA KNQLTSNPEN TVFDAQRLIG
RTWNDPSVQQ DIKFLPFKVV EKKTOPYIQV DIGGGQTKTF APEEISAMVL
TKMKETAAY LGKKVTHAVV TVPAYFNDAQ RQATKDAGTI AGLNVMRIIN
EPTAAAIAYG LDKREGEKNI LVFDLGGGTF DVSLLTIDNG VFEVVATNGD
THLGGEDFDQ RVMEHFILY KKKTGKDVRK DNRAVQKLRR EVEKAKRALS
SQHQARIEIE SFYEGEDFSE TLTRAKFEEL NMDLFRSTMK PVQKVLESD
LKKSDIDEIV LVGGSTRIPK IQQLVKEFFN GKEPSRGINP DEAVAYGAAV
QAGVLSGDQD TGDVLLDVC PLTLGIETVG GVMTKLIPRN TVVPTKKSQI
FSTASDNQPT VTIKVYEGER PLTKDNHLLG TFDLTGIPPA PRGVPQIEVT
FEIDVNGILR VTAEDKGTGN KNKITITNDQ NRLTPEEIER MVNDAEKFAE
EDKKLKERID TRNELESYAY SLKNQIGDKE KLGKLSSED KETMEKAVEE
KIEWLESHQD ADIEDFKAKK KELEEIVQPI ISKLYGSAGP PPTGEEDTAE
KDEL
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

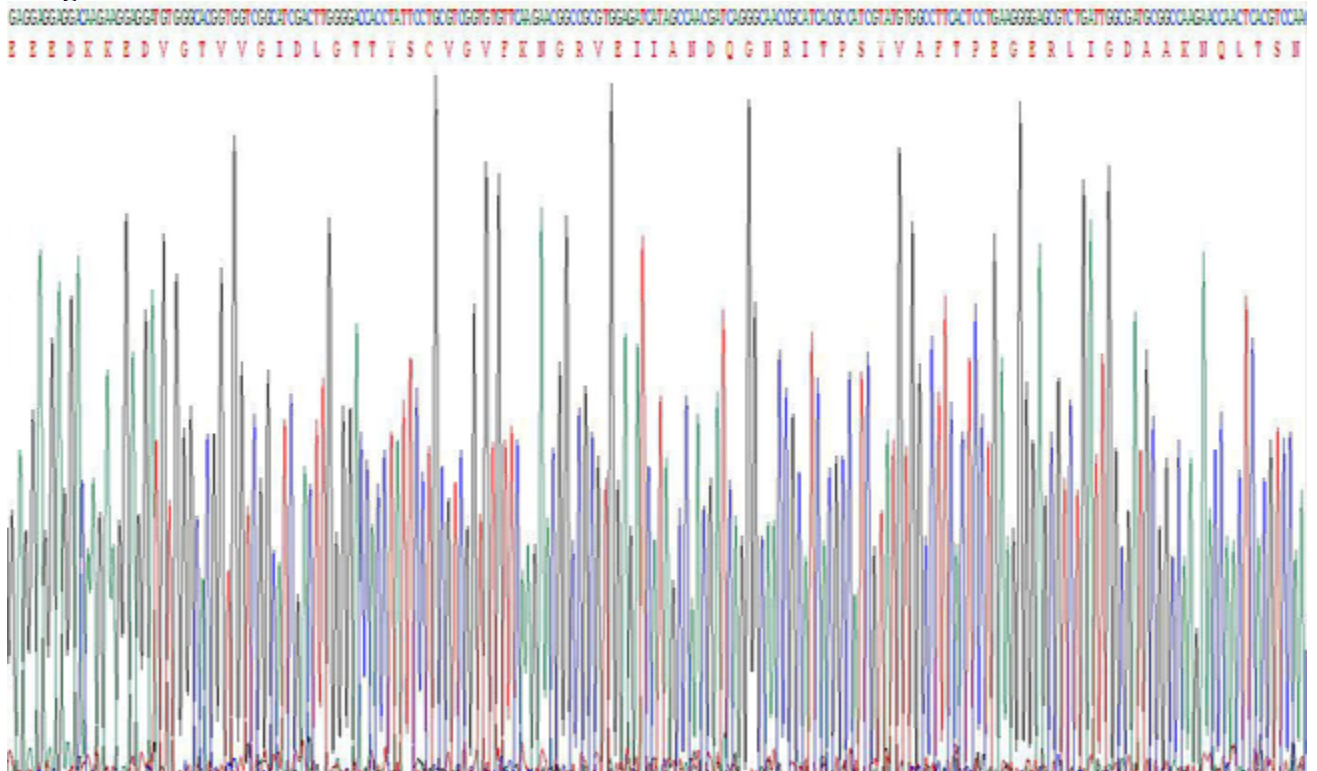


Figure. SDS-PAGE

[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.