

Recombinant X-Ray Repair Cross Complementing 5 (XRCC5) Instruction Manual

SIPD008Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Nucleus
Predicted Molecular Mass	55.7kDa
Accurate Molecular Mass	56kDa(Analysis of differences refer to the manual)
Residues & Tags	Val2~Ser460 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.6
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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VRSGNKA AV VLCMDVGFTM SNSIPGIESP FEQAKKVITM FVQRQVFAEN  
KDEIALV LFG TDGTDNPLSG GDQYQNITVH RHLMLPDFDL LEDIESKIQP  
GSQQADFLDA LIVSMDVIQH ETIGKKFEKR HIEIFDLSS RFSKSQLDII  
IHSLLKCDIS LQFFLPFSLG KEDGSGDRGD GPFRLGGHGP SFPLKGITEQ  
QKEGLEIVKM VMISLEGEDG LDEIYSFSES LRKLCVFKKI ERHSIHWPCR  
LTIGSNLSIR IAAYKSILQE RVKKTWTVVD AKTLKKEDIQ KETVYCLNDD  
DETEVLKEDI IQGFRYGS DI VPFSKVDEEQ MKYKSEGKCF SVLGFCKSSQ  
VQRRFFMGNQ VLKVFAARDD EAAVALSSL IHALDDLDMV AIVRYAYDKR  
ANPQVGVAFP HIKHNYECLV YVQLPFMEDL RQYMFSSLKN SKKYAPTEAQ  
LNAVDALIDS
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USAGE

Reconstitute in ddH₂O 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

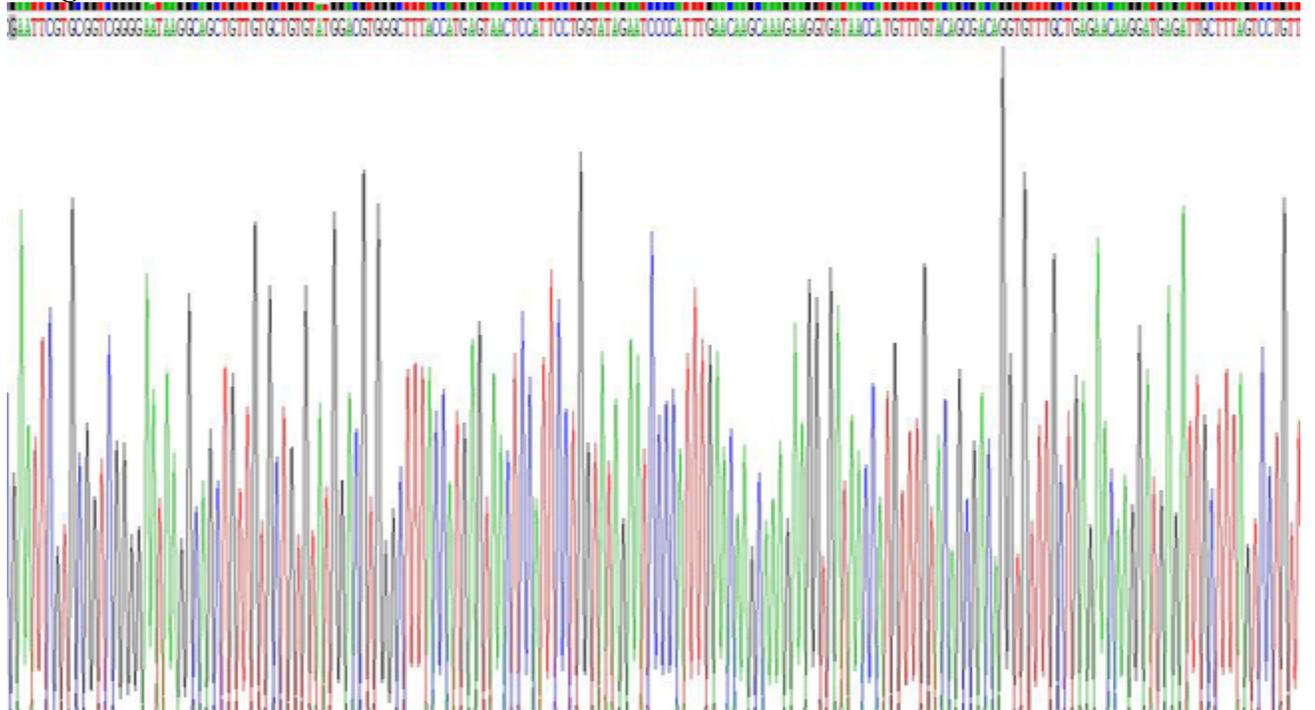


Figure. SDS-PAGE

[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.