

RPD013Hu01 50µg

Recombinant X-Ray Repair Cross Complementing 5 (XRCC5)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Val2~Ser460

Tags: N-terminal His Tag

Subcellular Location: Nucleus

Purity: > 90%

Traits: Freeze-dried powder

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

Original Concentration: 50µg/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: 5.6

Predicted Molecular Mass: 55.7kDa

Accurate Molecular Mass: 56kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.2 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]

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VRSGNKA AV  VLCMDVGF TM  SNSIPGIE SP  FEQAKKVIT M  FVQRQVFA EN
KDEIALVL FG  TDGTDNPL SG  GDQYQNIT VH  RHLMLPDF DL  LEDIESKIQP
GSQQADFL DA  LIVSMDVIQH ETIGKKFEKR HIEIFTDLSS RFSKSQLDII
IHSLKKCD IS  LQFFLPFSLG KEDGSGDRGD GPFRLGGHGP SFPLKGITEQ
QKEGLEIV KM  VMISLEGEDG LDEIYSFSES LRKLCVFKKI ERHSIHWPCR
LTIGSNLS IR  IAAYKSILQE RVKKTWTVVD AKTLKKEDIQ KETVYCLNDD
DETEVLKEDI IQGFRYGS DI  VPFSKVDEEQ MKYKSEGKCF SVLGFCKSSQ
VQRRFFMG NQ  VLKVFAARDD EAAVALSSL IHALDDLDMV AIVRYAYDKR
ANPQVGVA FP  HIKHNYECLV YVQLPFMEDL RQYMFSSLKN SKKYAPTEAQ
LNAVDALIDS
    
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[IDENTIFICATION]

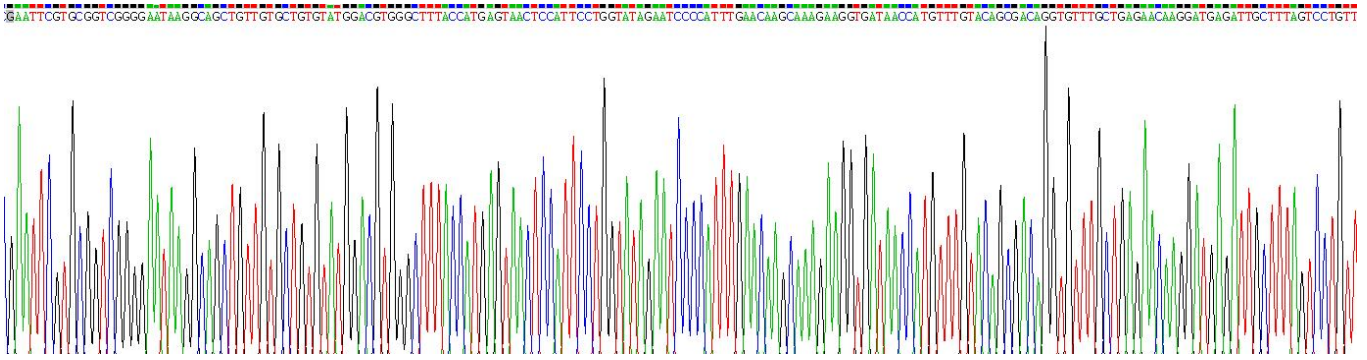


Figure . Gene Sequencing (extract)

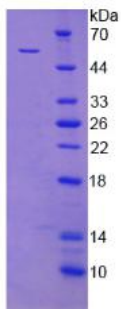


Figure. SDS-PAGE

[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.