

**RPB474Hu01 10µg**

**Recombinant Nectin 2 (NECTIN2)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## [ **PROPERTIES** ]

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Pro76~Ala353

**Tags:** N-terminal His Tag

**Subcellular Location:** Membrane

**Purity:** > 95%

**Traits:** Freeze-dried powder

**Buffer formulation:** 100mMNaHCO<sub>3</sub>, 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.

**Original Concentration:** 200µg/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:** 5.9

**Predicted Molecular Mass:** 33.7kDa

**Accurate Molecular Mass:** 40kDa as determined by SDS-PAGE reducing conditions.

### **Phenomenon explanation:**

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

## [ **USAGE** ]

Reconstitute in 100mM NaHCO<sub>3</sub>, 500mM NaCl (pH8.3) 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.

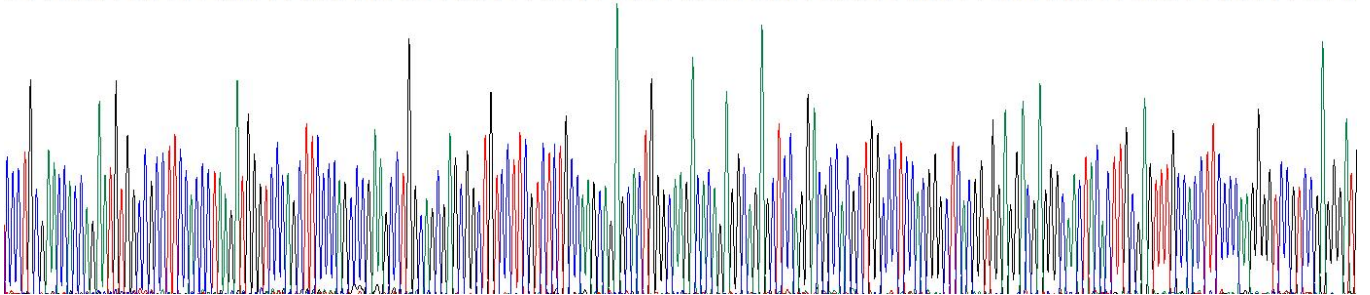
**[ SEQUENCE ]**

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                PANHQ  NVAAFHPKMG  PSFPSPKPGS
ERLSFVSAKQ  STGQDTEAEL  QDATLALHGL  TVEDEGNYTC  EFATFPKGSV
RGMTWLRVIA  KPKNQAEAQK  VTFSQDPTTV  ALCISKEGRP  PARISWLSSL
DWEAKETQVS  GTLAGTVTVT  SRFTLVPSGR  ADGVTVTCKV  EHESFEERAL
IPVTLSVRYP  PEVSISGYDD  NWYLGRTDAT  LSCDVRSNPE  PTGYDWSTTS
GTFPTSAVAQ  GSQLVIHAVD  SLFNNTFVCT  VTNAVGMGRA  EQVIFVRETP
NTA
    
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**[ IDENTIFICATION ]**

CCCTGCGAACCACAGATGTGGCCCTTCACCTAAGTGGGTCCAGCTTCCTCCGCTCCGAGCCCTGCGAGCGAGCGCTGGCCAGGACAGAGGCGAGCTCCAGGACCCAGCCTGGCCCTCCAGCGGCCTCCAGGCTGGTGGAGAGGAGGGCCACTACCTTGCAGGTTTGGCCCTTCCCGAGGGSTCCGTCCGAGGAT  
P A N H Q N V A A F P K M G P S F P S F P G S E R L S F V S A K Q S T G Q D T E A E L Q D A T L A L H G L T V E D E G N Y T C E F A T F P K G S V R G M



**Figure. Gene Sequencing (Extract)**

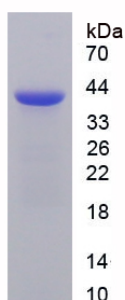


Figure. SDS-PAGE

**[ 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.