

**RPC442Mu01 100µg**

**Recombinant Doublecortin (DCX)**

**Organism Species: *Mus musculus* (Mouse)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Met1~Met366

**Tags:** N-terminal His Tag

**Subcellular Location:** Cytoplasm

**Purity:** > 97%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, 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:** 9.3

**Predicted Molecular Mass:** 44.3kDa

**Accurate Molecular Mass:** 44kDa as determined by SDS-PAGE reducing conditions.

**[ USAGE ]**

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.

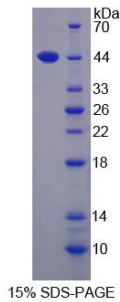
Aliquot and store at -80°C for 12 months.

**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 ]**

MELDFGHFDE RDKASRNMRG SRMNGLPSP HSAHCSFYRT RTLQALSNEK  
KAKKVRFYRN GDRYFKGIVY AVSSDRFRSF DALLADLTR LSDNINLPQG  
VRYIYTIDGS RKIGSMDELE EGESYVCSSD NFFKKVEYTK NVNPNWSVNV  
KTSANMKAPQ SLASSNSAQA RENKDFVRPK LVTIIRSGVK PRKAVRVLLN  
KKTAAHSFEQV LTDITEAIKL ETGVVKKLYT LDGKQVTCLH DFFGDDVFI  
ACGPEKFRYA QDDFSLDENE CRVMKGNPSA AAGPKASPTP QKTSAKSPGP  
MRRSKSPADS GNDQDANGTS SSQLSTPKSK QSPISTPTSP GSLRKHKVDL  
YLPLSLDDSD SLGDSM

**[ IDENTIFICATION ]**



**[ 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.