

**RPA011Mu01 10 $\mu$ g**  
**Recombinant Brain Derived Neurotrophic Factor (BDNF)**  
**Organism Species: *Mus musculus* (Mouse)**  
***Instruction manual***

FOR IN VITRO USE AND 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:** Glu139~Arg249

**Tags:** N-terminal His-Tag

**Tissue Specificity:** Breast.

**Subcellular Location:** Secreted.

**Purity:** >92%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 8.5

**Predicted Molecular Mass:** 42.6kDa

**Accurate Molecular Mass:** 43kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

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

EL SVCDSESEW  
TAADKKTAVD MSGGTVTVLE KVPVSKGQLK QYFYETKCNP MGYTKEGCRG  
IDKRHWNSQC RTTQSYVRAL TMSKKRIGW RFIRIDTSCV CTLTIKGR

## [ IDENTIFICATION ]

g k c t g a c g t c t g t g a c g t g t t a t c c g t g c g g t g a g g c g g t t a m a m g c t g c t g c g a t c t c t c g g a g c g c g t c t c t g c g a m g t c c c g t a t c a m g g c m c t g a g g t a t t c t c g a g c a m g t a m t c c a t t g s t t a c c a m g g c t c a g g c c t a g g c c t a g c a m g g c t g s m c t c g a t g d  
E L S V C D S I S E V V T A A D K K T A V D M S G G T V T V L E K V P V S K G Q L K Q Y F Y E T K C N P M G Y T K E G C R G I D K R H V N S Q C R

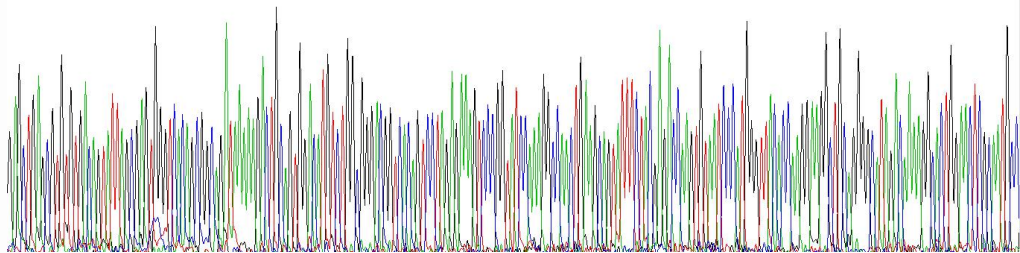


Figure 1. Gene Sequencing (Extract)

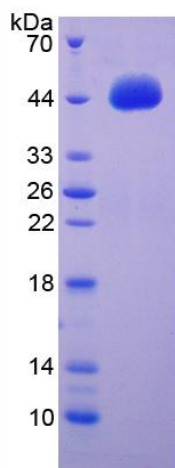


Figure 2. SDS-PAGE