

**RPA537Mu02 50µg**  
**Recombinant Enolase, Neuron Specific (NSE)**  
**Organism Species: Mus musculus (Mouse)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

**[ PROPERTIES ]**

**Residues:** Ser2~Leu434 (Accession # P17183),  
with N-terminal His-Tag.

**Host:** *E. coli*

**Subcellular Location:** Cytoplasm. Cell  
membrane.

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg  
(determined by the LAL method).

**Formulation:** Supplied as lyophilized form in PBS,  
pH7.4, containing 1mM DTT, 5% trehalose, 0.01%  
sarcosyl and preservative.

**Predicted isoelectric point:** 5.2

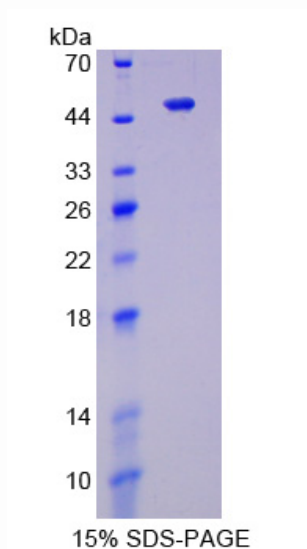
**Predicted Molecular Mass:** 48.7kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

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

**[ USAGE ]**

Reconstitute in sterile PBS, pH7.2-pH7.4.



## [ 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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The target protein is fused with N-terminal His-Tag, its sequence is listed below.  
MGHHHHHSGSEF- SIEKIWARE ILDSRGNPTV EVDLYTAKGL FRAAVPSGAS TGIYEALRLR  
DGDKQRYLGK GVLKAVDHIN SRIAPALISS GISVVEQEKL DNLMLELDGT ENKSKFGANA  
ILGVSLAVCK AGAAERDLPL YRHIAQLAGN SDLILPVPAF NVINGGSHAG NKLAMQEFMI  
LPVGAESFRD AMRLGAEVYH TLKGVKIDKY GKDATNVGDE GGFAPNILEN SEALELVKEA  
IDKAGYTEKM VIGMDVAASE FYRDGKYDLD FKSPADPSRY ITGDQLGALY QDFVRNYPVV  
SIEDPFDQDD WAAWSKFTAN VGIQIVGDDL TVTNPKRIER AVEEKACNCL LLKVNQIGSV  
TEAIQACKLA QENGWGVMS HRSGETEDTF IADLVVGLCT GQIKTGAPCR SERLAKYNQL  
MRIEEELGDE ARFAGHNFRN PSVL

## [ REFERENCES ]

1. Carninci P., *et al.* (2000) *Genome Res.* 10:1617-1630.
2. Shibata K., *et al.* (2000) *Genome Res.* 10:1757-1771.
3. Mural R.J., *et al.* (2002) *Science* 296:1661-1671.
4. Hearn C.J., *et al.* (1999) *Dev. Dyn.* 214:239-247.