

RPA537Mu02 10 μ g
Recombinant Enolase, Neuron Specific (NSE)
Organism Species: *Mus musculus* (Mouse)
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: Ser2~Leu434

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm, Chromosome

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

Original Concentration: 600µg/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: 5.2

Predicted Molecular Mass: 48.4kDa

Accurate Molecular Mass: 48kDa 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]

SIEKIWARE ILDSRGNPTV EVDLYTAKGL FRAAVPSGAS TGIYEALRLR
 DGDKQRYLQK GVLKAVDHIN SRIAPALISS GISVVEQEKL DNLMLELDGT
 ENKSKFGANA ILGVSLAVCK AGAAERDLPL YRHIAQLAGN SDLILPVPAF
 NVINGGSHAG NKLAMQEFMI LPVGAESFRD AMRLGAEVYH TLKGVIKDKY
 GKDATNVGDE GGFAPNILEN SEALELVKEA IDKAGYTEKM VIGMDVAASE
 FYRDGKYDLD FKSPADPSRY ITGDQLGALY QDFVRNYPVV SIEDPFDQDD
 WAAWSKFTAN VGIQIVGDDL TVTNPKRIER AVEEKACNCL LLKVNQIGSV
 TEAIQACKLA QENGWGMVS HRSGETEDTF IADLVVGLCT GQIKTGAPCR
 SERLAKYNQL MRIEEELGDE ARFAGHNFRN PSVL

[IDENTIFICATION]

GAATTCCTATAGAGAAATTTGGGCCGAGAGATCTTGGACTCCCGTGGGAATCCACCGTGGAGGTGGATCTCTATCTCCAAAGGTCTTTTCCGGGCTGCAGTCCCAAGTGGAGCCTCCACCGGCATCTATGAGGCCTTGAACTAAAGGATGGGGACAAACAAGCTTACTTAG

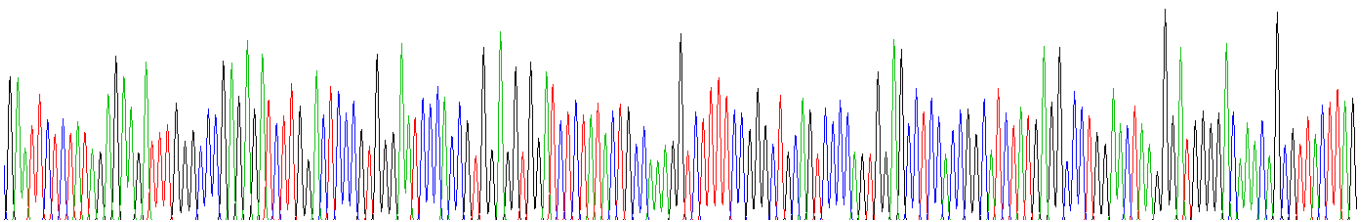


Figure . Gene Sequencing (extract)

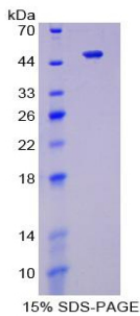


Figure. SDS-PAGE

[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.