

RPD853Mu01 50µg

Recombinant Aspartate Aminotransferase 2 (AST2)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ser30~Lys430

Tags: N-terminal His Tag

Subcellular Location: Mitochondrion

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO₃, 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: 9.0

Predicted Molecular Mass: 45.8kDa

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

[USAGE]

Reconstitute in 100mM NaHCO₃, 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]

S SWWTHVEMGP PDPILGVTEA
 FKRDTNSKKM NLGVGAYRDD NGKPYVLPVS RKAEAQIAAK NLDKEYLPIG
 GLAEFCKASA ELALGENNEV LKSGRFVTVQ TISGTGALRV GASFLQRFFK
 FSRDVFLPKP SWGNHTPIFR DAGMQLQGYR YYDPKTCGFD FSGALEDISK
 IPEQSVLLH ACAHNPTGVD PRPEQWKEIA SVVKKKNLFA FFDMAYQGFA
 SGDGDKDAWA VRHFIEQGIN VCLCQSYAKN MGLYGERVGA FTVVCKDAEE
 AKRVESQLKI LIRPLYSNPP LNGARIAATI LTSPDLRKQW LQEVKGMADR
 IISMRTQLVS NLKKEGSSHQ WQHITDQIGM FCFTGLKPEQ VERLTKEFSV
 YMTKDGRISV AGVTSGNVGY LAHAIHQVTK

[IDENTIFICATION]

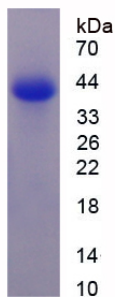


Figure. SDS-PAGE

[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.