

RPD853Hu01 50µg

Recombinant Aspartate Aminotransferase 2 (AST2)

Organism Species: *Homo sapiens (Human)*

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: Ser30~Lys430

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 5% Trehalose.

Original Concentration: 50µg/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: 8.9

Predicted Molecular Mass: 46.0kDa

Accurate Molecular Mass: 46kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.2 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]

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S SWWTHVEMGP PDPILGVTEA
FKRDTNSKKM NLGVGAYRDD NGKPYVLPSV RKAEAQIAAK NLDKEYLPIG
GLAEFCKASA ELALGENSEV LKSGRFVTQ TISGTALRI GASFLQRFFK
FSRDVFLPKP TWGNHTPIFR DAGMLQGYR YYDPKTCGFD FTGAVEDISK
IPEQSVLLH ACAHNPTGVD PRPEQWKEIA TVVKRNLFA FFD MAYQGFA
SGDGDKDAWA VRHFIEQGIN VCLCQSYAKN MGLYGERVGA FTMVCKDADE
AKRVESQLKI LIRPMYSNPP LNGARIAAAI LNTPLDRKQW LQEVKVMADR
IIGMRTQLVS NLKKEGSTHN WQHITDQIGM FCFTGLKPEQ VERLIKEFSI
YMTKDGRISV AGVTSSNVGY LAHAIHQVTK

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[IDENTIFICATION]

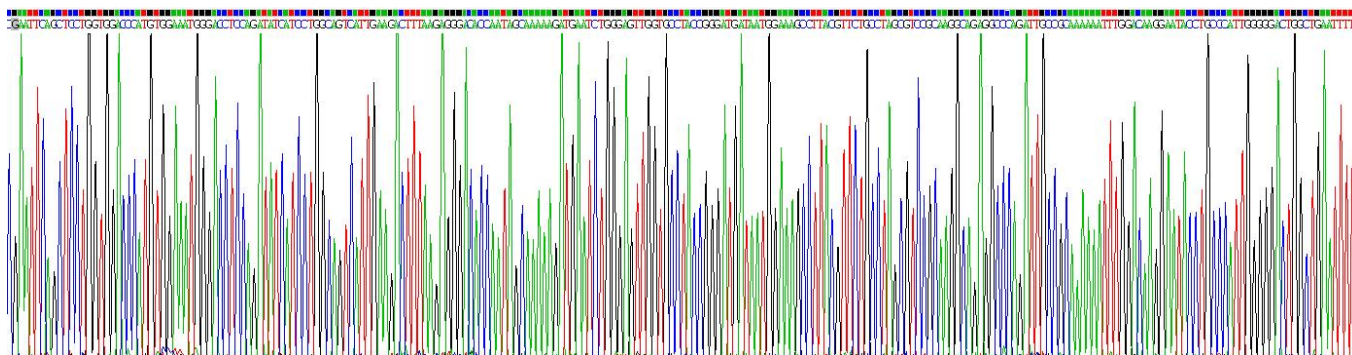


Figure . Gene Sequencing (extract)

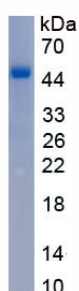


Figure. SDS-PAGE

[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.