

Recombinant Aspartate Aminotransferase 2 (AST2) Instruction Manual

SIPD565Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Mitochondrion
Predicted Molecular Mass	45.8kDa
Accurate Molecular Mass	43kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser30~Lys430 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	9.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

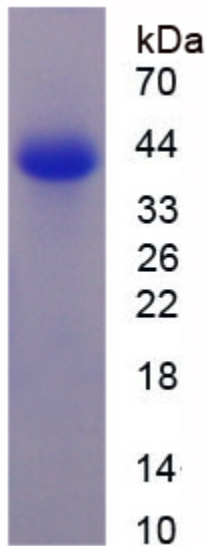


Figure. SDS-PAGE

[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.