

Recombinant Aspartate Aminotransferase (AST) Instruction Manual

SIPB214Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	47.5kDa
Accurate Molecular Mass	43kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Gln413 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
MAPPSVFAQV PQAPPVLVFK LTADFRDDPD PRKVN LGVGA YRTDESQPWV  
LPVVRKVEQK IANDNSLNHE YLPILGLAEF RSCASRLVLG DNSLAIRENR  
VGGVQSLGGT GALRIGADFL GRWYNGTDNK NTPIYVSSPT WENHNAVFS  
AGFKDIRPYC YWDAEKRLD LQGFLNDLEN APEFSIFVLH ACAHNPTGTD  
PTPEQWKQIA AVMQRRFLFP FFDSAYQGFA SGDLEKDAWA IRYFVSEGFE  
LFCQAQSF SKN FGLYNERVGN LTVVGKESDS VLRVLSQMEK IVRITWSNPP  
AQGARIVAAT LSDPELFKEW KGNVKTADR ILTMRSELRA RLEALKTPGT  
WSHITEQIGM FSFTGLNPKQ VEYLVNEKHI YLLPSGRINM CGLTTKNLDY  
VATSIHEAVT KIQ
```

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

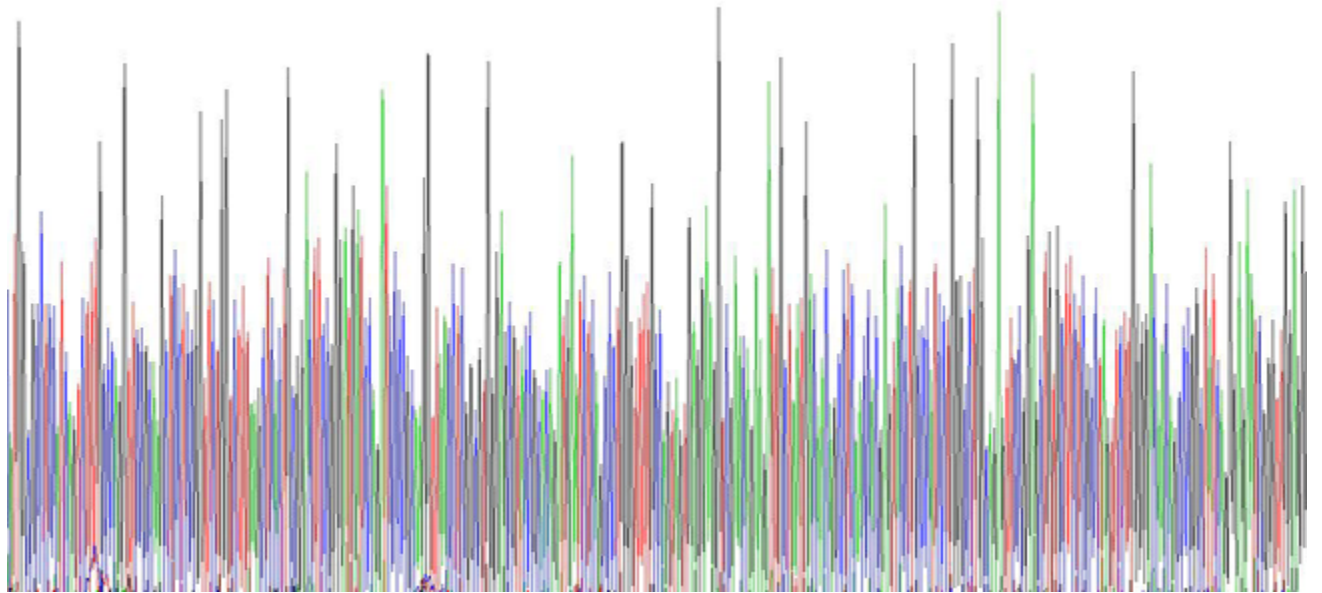
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

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

MENIQTATITRDEITGQITKIEIGTALDGLGQITDSEIQAQINIEGATDTRGEEPHQIQGSLTHTLITLFCAGSEMIGQIQGTEWQQQITACRQITGIGLHIDGEGTGGGDTFRTDTRFQIQNGEITATGATHTDGLKAPPSTVFAQVPQAPPVTVFXLITADFRDDDPDKXVNLGVGATRTDESQPWVLPVVRKVEQXIANDNSLVHEVLPILGLAEFRSCASRIVLGDNSPAIRENRVGG



SDS-PAGE Image

[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.

