

RPB214Bo01 10µg

Recombinant Aspartate Aminotransferase (AST)

Organism Species: *Bos taurus*; Bovine (Cattle)

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: Ala2~Gln413

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 500µg/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: 7.3

Predicted Molecular Mass: 50.0KDa

Accurate Molecular Mass: 50KDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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]

APPSIFAEV PQAQPVLVFK LTADFREDPD PRKVN LGVGA YRTDDSQPWV LPVVRKVEQR
IANDSSINHE YLPILGLAEF RTCASRLALG DDSPALQEKR VGGVQCLGGT GALRIGAEFL
ARWYNGTNNK DTPVYVSSPT WENHNGVFIA AGFKDIRSYH YWDAAKRGLD LQGFLNDLEK
APEFSIFVLH ACAHNPTGTD PTPEQWKQIA SVMKRRFLFP FFDSAYQGFA SGSLEKDAWA
IRYFVSEGFE LFCAQSFSKN FGLYNERVGN LTVVAKEPDS ILRVLSQMEK IVRITWSNPP
AQGARIVART LSDPELFNEW TGNVKTADR ILTMRSELRA RLEALKTPGT WNHTEQIGM
FSFTGLNPKQ VEYLINEKHI YLLPSGRINM CGLTTKNLEY VATSIHEAVT KIQ

[IDENTIFICATION]

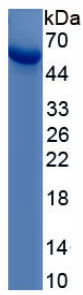


Figure. SDS-PAGE

[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.