YBB214Mu01 100μg

Recombinant Aspartate Aminotransferase (AST)

Organism Species: Mus musculus (Mouse)

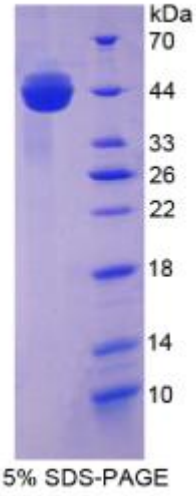
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revisedd in Jul, 2013)

[PROPERTIES]



15% SDS-PAGE

Residues: Met1~Gln413 (Accession # P05201), with N-terminal His-Tag.

Host: *E. coli*

Subcellular Location: Cytoplasm.

Purity: >95%

Endotoxin Level: <1.0EU per 1μg (determined by the LAL method).

Formulation: Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 6.9

Predicted Molecular Mass: 47.5kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in ddH_2O.

[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with N-terminal His-Tag, its sequence is listed below.

MG H H H H H H S G S -MA P P S V FA Q V PQ A P P V LV F K LTA D F R D D P D PR K V N L G V G A
YRTDESQPWV LPVVRKVEQK IANDNSLNHE YLPILGLAEF RSCASRLVLG DNSLAIRENR
VGGVQSLGGT GALRIGADFL GRWYNGTDNK NTPIYVSSPT WENHNAVFSA AGFKDIRPYC
YWDAEKRGLD LQGFLNDLEN APEFSIFVLH ACAHNPTGTD PTPEQWKQIA AVMQRRFLFP
FFDSAYQGFA SGDLEKDAWA IRYFVSEGFE LFCAQSFSKN FGLYNERVGN LTVVGKESDS
VLRVLSQMEK IVRITWSNPP AQGARIVAAT LSDPELFKEW KGNVKTMADR ILTMRSELRA
RLEALKTPGT WSHITEQIGM FSFTGLNPKQ VEYLVNEKHI YLLPSGRINM CGLTTKNLDY
VATSIHEAVT KIQ

[REFERENCES]

1. Obaru K., *et al.* (1986) J. Biol. Chem. 261:16976-16983.
2. Obaru K., *et al.* (1988) J. Mol. Biol. 200:13-22.
3. Ballif B.A., *et al.* (2008) J. Proteome Res. 7:311-318.
4. Mikami Y., *et al.* (2011) J. Biol. Chem. 286:39379-39386.