

Aspartate aminotransferase, Genetically engineered bacteria

Cat. No.:	HY-P3016
CAS No.:	9000-97-9
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Aspartate aminotransferase

BIOLOGICAL ACTIVITY

Description	Aspartate aminotransferase, Genetically engineered bacteria (EC 2.6.1.1) (AST) is a transaminase enzyme, is often used in biochemical studies. Aspartate aminotransferase catalyzes aspartate and alpha-ketoglutarate converts to oxaloacetate and glutamate. Aspartate aminotransferase can be found in cerebrospinal fluid, exudates, and transudates ^[1] .
In Vitro	This product can be used as a quality control product for ast kits and as an antigen to prepare anti-cAST antibodies. Molecular weight: ~58kDa (SDS-PAGE) pH Stability: 5.0-9.5(20 ÷ 24 h) Thermal stability: no deactivation below 60 ÷ for 30 min. Reconstitution and dilution buffer: It is recommended to use phosphate buffer containing BSA. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Otto-Ślusarczyk D, et al. [Aspartate aminotransferase--key enzyme in the human systemic metabolism]. Postepy Hig Med Dosw (Online). 2016 Mar 16;70:219-30. Polish.

Caution: Product has not been fully validated for medical applications. For research use only.

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