

Cytidine Deaminase (EcCdd)

Product Information

Cat#	DIA-683
Descriptions	Cytidine deaminase (EcCdd) from Escherichia coli catalyzes the hydrolytic deamination of cytidine and deoxycytidine to form uridine and deoxyuridine, participates in pyrimidine nucleotide salvage metabolism, and is applied in nucleoside biotransformation and gene editing research.
Applications	Cytidine deaminase (EcCdd) serves as a tool for pyrimidine metabolism detection kits and nucleoside biotransformation assay reagent development.
CAS No.	35-4-51
Enzyme Commission Number	EC 3.5.4.5
Enzyme Source	E.coli recombinant EcCdd from Escherichia coli (strain K12).
Reaction	Cytidine + H ⁺ + H ₂ O = NH ₄ ⁺ + uridine
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of uridine from cytidine per min at 37°C.