Creative Enzymes
Diagnostic Enzymes

D-xylose Dehydrogenase (CvXylB)

Product Information

Cat#	DIA-686
Descriptions	D-xylose dehydrogenase (CvXylB) from Caulobacter vibrioides catalyzes the NAD(P)+-dependent oxidation of D-xylose to D-xylonolactone, exhibits high substrate specificity and catalytic efficiency, and is widely used for xylose detection and xylonic acid biosynthesis.
Applications	D-xylose dehydrogenase (CvXylB) is widely applied in xylose content detection kits and xylonic acid biosynthesis assay reagent development.
CAS No.	11-1-175
Enzyme Commission Number	EC 1.1.1.175
Enzyme Source	E.coli recombinant CvXylB from Caulobacter vibrioides.
Reaction	D-xylose + NAD+ = D-xylono-1, 5-lactone + H+ + NADH
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of D-xylono-1,5-lactone from D-xylose at 37°C.

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