

Recombinant *Caulobacter vibrioides* xylB Protein (S2-R248)

Cat. No. xylB-1423C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Caulobacter vibrioides</i> GG-xylB(S2-R248 end) protein without tag was expressed in <i>E. coli</i>
Species	<i>Caulobacter vibrioides</i>
Source	<i>E. coli</i>
Protein Length	S2-R248
Description	D-xylose dehydrogenase involved in the degradation of D-xylose, a major component of hemicelluloses such as xylan. Catalyzes the initial reaction in the xylose utilization pathway by oxidizing D-xylose into D-xylonolactone. Shows some activity toward L-arabinose, but little to none toward D-arabinose, L-xylose, D-ribose, D-galactose, D-glucose or D-glucose-6-phosphate.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

Shipping It is shipped out with blue ice.

GENE INFORMATION

Gene Name [xylB xylose dehydrogenase xylB \[Caulobacter vibrioides NA1000 \]](#)

Official Symbol [xylB](#)

Synonyms xylB; xylose dehydrogenase xylB; xylose dehydrogenase xylB; CC_0821

Gene ID [7329904](#)

Protein Refseq [YP_002516237](#)

UniProt ID [B8H1Z0](#)

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