

## Cephalosporin C deacetylase Protein, *Bacillus subtilis*

Cat. No.:	HY-P701944
Synonyms:	cah; Cephalosporin-C deacetylase; Acetylxylylan esterase
Species:	Others
Source:	E. coli
Accession:	P94388 (M1-G318)
Gene ID:	938341
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	Cephalosporin C deacetylase protein functions as an esterase, selectively removing acetyl groups from various O-acetylated small substrates, including acetylated xylose, short xylooligosaccharides, and cephalosporin C. Notably, its catalytic activity does not extend to polymeric acetylated xylan, and it is incapable of cleaving amide linkages. This specificity underscores its role in the targeted deacetylation of specific substrates, emphasizing its nuanced enzymatic function.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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