

Recombinant *Bacillus subtilis* cah Protein (M1-G318), His-tagged

Cat. No. cah-1445B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Bacillus subtilis</i> 6His-TEV-G-Cephalosporin C deacetylase (M1-G318 end) protein with a His tag was expressed in <i>E. coli</i>
Species	<i>Bacillus subtilis</i>
Source	<i>E. coli</i>
ProteinLength	M1-G318
Description	Esterase that removed acetyl groups from a number of O-acetylated small substrates, such as acetylated xylose, short xylooligosaccharides and cephalosporin C. Has no activity towards polymeric acetylated xylan. Cannot cleave amide linkages.
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 protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
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Shipping	It is shipped out with blue ice.
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GENE INFORMATION

Gene Name	cah promiscuous acetyl xylan esterase-cephalosporin C deacetylase [<i>Bacillus subtilis</i> subsp. <i>subtilis</i> str. 168]
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Official Symbol	cah
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Synonyms	cah; promiscuous acetyl xylan esterase-cephalosporin C deacetylase; promiscuous acetyl xylan esterase-cephalosporin C deacetylase; EC 3.1.1.41; EC 3.1.1.72; Evidence 1a: Function from experimental evidences in the studied strain; PubMedId: 12842474, 19837798, 21382014; Product type e: enzyme
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Gene ID	938341
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Protein Refseq	NP_388200
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UniProt ID	P94388
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