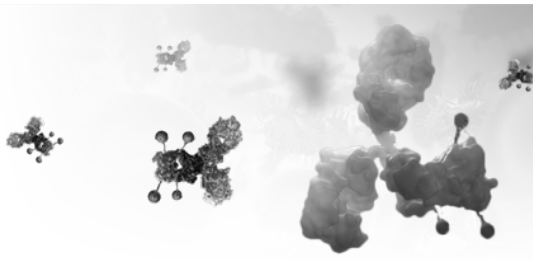

Recombinant P. heparinus Chondroitin B Lyase, Chondroitinase B (a.a. 26-506) [His] (DAG2642)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant P. heparinus Chondroitin B Lyase/Chondroitinase B antigen, was expressed in E. coli. Gln26-His506, with an N-terminal Met and 6-His tag (Accession # Q46079)
Species	P. heparinus
Purity	> 95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie. Blue stain at 5 µg per lane.
Conjugate	His
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Heparin, a highly sulfated glycosaminoglycan, is widely used as an injectable anticoagulant, and has the highest negative charge density of any known biological molecule. It can also be used to form an inner anticoagulant surface on various experimental and medical devices such as test tubes and renal dialysis machines. In enzymology, a chondroitin B lyase (EC 4.2.2.19) is an enzyme that catalyzes the chemical reaction: Eliminative cleavage of dermatan sulfate containing 1,4-beta-D-hexosaminyl and 1,3-beta-D-glucurosonyl or 1,3-alpha-L-iduronosyl linkages to disaccharides containing 4-deoxy-beta-D-gluc-4-enuronosyl groups to yield a 4,5-unsaturated dermatan-sulfate disaccharide (deltaUA-GalNAc-4S). This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides.
Keywords	P. heparinus ChonB protein; Pedobacter heparinus; Pedobacter heparinus Chondroitin B lyase;

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