



## Recombinant *P. heparinus* Heparinase II (a.a. 26-772) [His] (DAG2634)

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

### PRODUCT INFORMATION

Product Overview	Recombinant <i>P. heparinus</i> Heparinase II antigen, was expressed in <i>E. coli</i> . Ala26-Arg772, with an N-terminal Met and 6-His tag (Accession # YP_003092674)
Species	<i>P. heparinus</i>
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 heparin lyase (EC 4.2.2.7) is an enzyme that catalyzes the chemical reaction. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides. The systematic name of this enzyme class is heparin lyase. Other names in common use include heparin eliminase, and heparinase.
Keywords	P. heparinus heparinase protein; Pedobacter heparinus; Pedobacter heparinus heparinase; Heparin; heparin lyase; heparin eliminase; heparinase