



# Recombinant *P. vulgaris* Chondroitinase ABC (a.a. 25-1021) [His] (DAG2640)

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

## PRODUCT INFORMATION

**Product Overview** Recombinant *P. vulgaris* Chondroitinase ABC antigen, was expressed in *E. coli*. Ala25-Pro1021, with an N-terminal Met and 6-His tag (Accession # P59807)

**Species** *P. vulgaris*

**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** *Proteus vulgaris* is a rod-shaped, Gram negative bacterium that inhabits the intestinal tracts of humans and animals. It can be found in soil, water and fecal matter. It is grouped with the enterobacteriaceae and is an opportunistic pathogen of humans. It is known to cause urinary tract infections and wound infections. In enzymology, a chondroitin-sulfate-ABC exolyase (EC 4.2.2.21) is an enzyme that catalyzes the chemical reaction: Exolytic cleavage of disaccharide residues from the non-reducing ends of both polymeric chondroitin sulfates and their oligosaccharide fragments. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides. The systematic name of this enzyme class is chondroitin-sulfate-ABC exolyase.

**Keywords** *P. vulgaris* Chondroitinase ABC protein; *Proteus vulgaris* Chondroitinase ABC; *Proteus vulgaris*; *P. vulgaris*; *Proteus*; Enterobacteriaceae; chondroitinase (ambiguous); chondroitin ABC eliminase (ambiguous); chondroitinase ABC (ambiguous); chondroitin ABC ly