

Product Data Sheet



Product number **P003**
Revision number **RN3.0**

Product Name Prolylendopeptidase from *Myxococcus xanthus*, recombinant

Synonym PEP, PEP-Mx

Source Recombinantly produced in *E. coli*

Quantity 150 U

Molecular Weight 81 kDa

Purity > 95 % (visually by SDS-PAGE)

Activity > 30 U/mg

Activity is determined by measuring the rate of hydrolysis of the chromogenic peptide substrate Z-glycyl-L-proline-4-nitroanilide.

Recombinant Prolylendopeptidase is active in a pH range from 5.5 to 9.5 at least.

Specificity Hydrolysis of synthetic substrates by recombinant Prolylendopeptidase.

hydrolysis	no hydrolysis
Suc-Ala-Pro-pNa	H-Ala-Phe-pNa
Z-Gly-Pro-pNa	H-Ala-Ala-Ala-pNa
H-Ala-Phe-Pro-pNa	H-Gly-Glu-pNa

Appearance White lyophilized solid

Reconstitution Add the volume of water specified in the certificate of analysis under aliquotation to the vial of lyophilized powder. Rotate vial gently until solid dissolves. After reconstitution the solution should be stored frozen in working aliquots.

Storage Store working aliquots at -20°C. Avoid repeated freezing and thawing.

Delivery at ambient temperature is possible

Reference(s) Schulz et al., Adv. Mater. 2015, doi: 10.1002/adma.201504797

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NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.