
Product Data Sheet

Product Name: PREP Human
 Cat. No.: GP22159
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Prolyl Endopeptidase; Post-Proline Cleaving Enzyme; EC3.4.21.26; PEP; PE; DJ355L5.1 (Prolyl Endopeptidase); Prolyl Oligopeptidase; Prolylendopeptidase.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMLSLQYP DVYRDETAVQ DYHGHKICDP YAWLEDPDSE QTKAFVEAQNKITVPFLEQC PIRGLYKERM TELYDYPKYS CHFKKGKRYF YFYNTGLQNN RVLYVQDSLE GEARVFLDPNLSDDGTVAL RGYAFSEGE YFAYGLSASG SDWVTIKFMKVDGAKELPDV LERVKFSCMA WTHDGKGMFY NSYPQQDGKS DGTETSTNLHQKLYYHVLGT DQSEDILCAE FPDEPKWMGG AELSDDGRYV LLSIREGCDP VNRLWYCDLQ QESSGIAGILKWWKLIDNFE GEYDYVTNEG TVFTFKTNRQ SPNYRVINID FRDPEESKWK VLVPEHEKDVLEWIACVRSN FLVLCYLHDV KNILQLHDLT TGALLKTFPL DVGSIVGYSGQKKDTEIFYQ FTSFLSPGII YHCDLTKEEL EPRVFREVTV KGIDASDYQT VQIFYPSKDG TKIPMFIVHKKGIKLDGSHP AFLYGYGGFN ISITPNYSVS RLIFVRHMGG ILAVANIRGG GEYGETWHKGGILANKQNCF DDFQCAA EYL IKEGYTSPKR LTINGGSNGG LLVAACANQRPD LFGCVIAQ VGVMDMLKFH KYTIGHAWTT DYGCSDSKQH FEWLKYSPL HNVKLPEADD IQYPSMLLLT ADHDDRVP LHLKFIATLQ YIVGRSRKQS NPLLIHVDTK AGHGAGKPTA KVIEEVSDMFAFIARCLNVD WIP.</p>		
Formulation	PREP protein solution (0.25mg/ml) containing PBS buffer (pH 7.4), 30% glycerol and 1mM DTT.		

Introduction

Prolyl Endopeptidase , also known as PREP is a cytosolic prolylendopeptidase which cleaves peptide bonds on the C-terminal side of prolyl residues within peptides which are up to about 30 a.a long. In addition, Prolyl endopeptidases have been shown to be

Caution: Product has not been fully validated for medical applications. For research use only.

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implicated in the maturation and degradation of peptide hormones and neuropeptides.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PREP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 733 amino acids (1-710 a.a) and having a molecular mass of 83.1kDa. PREP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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