

32-2732: PREP Recombinant Protein

Alternative Name : Prolyl Endopeptidase, Post-Proline Cleaving Enzyme, EC 3.4.21.26, PEP, PE, DJ355L5.1 (Prolyl Endopeptidase), Prolyl Oligopeptidase, Prolyl endopeptidase.

Description

Source : Escherichia Coli. 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. Prolyl Endopeptidase, also known as PREP is a cytosolic prolyl endopeptidase 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 implicated in the maturation and degradation of peptide hormones and neuropeptides.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : PREP protein solution (0.25mg/ml) containing PBS buffer (pH 7.4), 30% glycerol and 1mM DTT.
Storage condition : 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.
Amino Acid : MGSSHHHHH SSGLVPRGSH MGSMLSQYP DVYRDETAVQ DYHGHKICDP YAWLEDPDSE
 QTKAFVEAQNKITVPFLEQC PIRGLYKERM TELYDYPKYS CHFKKGKRYF YFYNTGLQNG RVLYVQDSLE
 GEARVFLDPNLSDDGTVAL RGYAFSEDE YFAYGLSASG SDWVTIKFMKVDGAKELPDV LERVKFSCMA
 WTHDGKGMFY NSYPQQDGKS DGTETSTNLHQKLYYHVLGT DQSEDILCAE FPDEPKWMGG
 AELSDDGRYV LLSIREGCDP VNRLWYCDLQ QESSGIAGILKWVKLIDNFE GEYDYVTNEG TVFTFKTNRQ
 SPNYRVINID FRDPEESKWK VLVPEHEKDV LEWVACVRSN FLVLCYLHDV KNILQLHDLT TGALLKTFPL
 DVGSIVGYSGQKKDTEIFYQ FTSFLSPGII YHCDLTKEEL EPRVFRETV KGIDASDYQT VQIFYPKSDG
 TKIPMFIVHKKGIKLDGSH AFLYGYGGFN ISITPNYSVS RLIFVRHMGG ILAVANIRGG
 GEYGETWHKGGILANKQNC FDFQCAA EYL IKEYTSPKR LTINGGSNGG LLVAACANQRPD LFGCVIAQ
 VGVMDMLKFH KYTIGHAWTT DYGCSDSKQH FEWLKYSPL HNVKLPEADD IQYPSMLLLT
 ADHDDRVPVPLHSLKFIATLQ YIVGRSRKQS NPLLIHVDTK AGHGAGKPTA KVIEEVSDMF AFIARCLNVD
 WIP.