

PREP, 1-710aa, Human, His tag, E.coli

Cat.NO.: TP03517

3th Edition

Synonyms:Prolyl endopeptidase, PE, PEP, Post-proline cleaving enzyme, Prolyl endopeptidase

Description:PREP is a cytosolic prolyl endopeptidase that cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long. Prolyl endopeptidases have been reported to be involved in the maturation and degradation of peptide hormones and neuropeptides. Recombinant human PREP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In PBS buffer (pH 7.4) containing 30% glycerol, 1mM DTT

Molecular Weight:83.1kDa (733aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM LSLQYDPVYRDETAVQDYHGHKICDPYAWLEDPDSEQTKAFVEAQNKITV
PFLEQCPIRGLYKERMTELYDYPKYSCHF KKGKRYFYFYNTGLQNQRVLYVQDSLEGEARVFLDPNILSDDGTVAL
RGYAFSEDEGEYFAYGLSASGSDWVTIKFMKVDGAKELPDVLERVKFSCMAWTHDGKGMFYNSYPQQDGKSDGT
ETSTNLHQKLYYHVLGTDQSEDI LCAEFPDEPKWMGGAELSDG RYVLLSIREGCDPVNRLWYCDLQQESSGIAGI
LKWVKLIDNFEGEYDYVTNEGTVFTFKTNRQSPNYRVINIDFRDPEESKWKVLVPEHEKDVLEWIACVRSNFLVLCY
LHDVKNILQLHDLTTGALLKTFPLDVGSIVGYSGQK KDTEIFYQFTSFLSPGIIYHCDLTKEELEPRVFREVTVKGIDAS
DYQTVQIFYPSKDGTKIPMFIVHKKGIKLDGSHPAFLYGYGGFNISITPNYSVSR LIFVRHMGGILAVANIRGGGEYGE
TWHKGGILANKQNCFFD FQCAAELYLIKEGYTSPKRLTINGGSNGLLVAACANQRPD LFGCVIAQVGVMDMLKFHK
YTIGHAWTTDYGCSDSKQHFEWL VKYSPLHNVKLPEADDIQYPSMLLLTADHDDR VVPLHSLKFIATLQYIVGRSRK
QSNPLLIHVDTKAGHGAGKPTAKVIEEVSDMF AFIAARCLNVDWIP

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.