

Recombinant Human prolyl endopeptidase, His-tagged

Cat. No. PREP-604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PREP, 1-710aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-710 a.a.
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 30amino 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 Mass	83.1kDa (733aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLSLQYP DVYRDETAVQ DYHGHKICDP YAWLEDPDSE QTKAFVEAQN KITVPFLEQC PIRGLYKERM TELYDYPKYS CHFCKGKRYF YFYNTGLQNQ RVLYVQDSLE GEARVFLDPN ILSDDGTVAL RGYAFSEGE YFAYGLSASG SDWVTIKFMK VDGAKELPDV LERVKFSCMA WTHDGKGMFY NSYPQQDGKS DGTETSTNLH QKLYYHVLGT DQSEDILCAE FPDEPKWMGG AELSDDGRYV LLSIREGCDP VNRLWYCDLQ QESSGIAGIL

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KWVKLIDNFE GEYDYVTNEG TVFTFKTNRQ SPNYRVINID FRDPEESKWK
 VLVPEHEKDV LEWIACVRSN FLVLCYLHDV KNILQLHDLT TGALLKTFPL
 DVGSIVGYSG QKKDTEIFYQ FTSFLSPGII YHCDLTKEEL EPRVFRETV
 KGIDASDYQT VQIFYPSKDG TKIPMFIVHK KGIKLDGSHF AFLYGYGGFN
 ISITPNYSVS RLIFVRHMGG ILAVANIRGG GEYGETWHKG GILANKQNCF
 DDFQCAA EYL IKEYTSPKR LTINGGSNGG LLVAACANQR PDLFGCVIAQ
 VGVMDMLKFH KYTIGHAWTT DYGCSDSKQH FEWLKYSPL HNVKLPEADD
 IQYPSMLLLT ADHDDRVPPL HSLKFIATLQ YIVGRSRKQS NPLLIHVDTK
 AGHGAGKPTA KVIEEVSDMF AFIARCLNVD WIP

Purity >90% by SDS - PAGE

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

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name PREP prolyl endopeptidase [Homo sapiens]

Official Symbol PREP

Synonyms PREP; prolyl endopeptidase; prolyl oligopeptidase; post-proline cleaving enzyme; dJ355L5.1 (prolyl endopeptidase); PE; PEP; MGC16060;

Gene ID 5550

mRNA Refseq NM_002726

Protein Refseq NP_002717

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MIM	600400
UniProt ID	P48147
Chromosome Location	6q22
Function	peptidase activity; peptide binding; serine-type endopeptidase activity; serine-type exopeptidase activity; serine-type peptidase activity;

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