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 CHFKKGKRYF YFYNTGLQNQ RVLYVQDSLE GEARVFLDPN ILSDDGTVAL RGYAFSEDGE YFAYGLSASG SDWVTIKFMK VDGAKELPDV LERVKFSCMA WTHDGKGMFY NSYPQQDGKS DGTETSTNLH QKLYYHVLGT DQSEDILCAE FPDEPKWMGG AELSDDGRYV LLSIREGCDP VNRLWYCDLQ QESSGIAGIL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	KWVKLIDNFE GEYDYVTNEG TVFTFKTNRQ SPNYRVINID FRDPEESKWK VLVPEHEKDV LEWIACVRSN FLVLCYLHDV KNILQLHDLT TGALLKTFPL DVGSIVGYSG QKKDTEIFYQ FTSFLSPGII YHCDLTKEEL EPRVFREVTV KGIDASDYQT VQIFYPSKDG TKIPMFIVHK KGIKLDGSHP AFLYGYGGFN ISITPNYSVS RLIFVRHMGG ILAVANIRGG GEYGETWHKG GILANKQNCF DDFQCAAEYL IKEGYTSPKR LTINGGSNGG LLVAACANQR PDLFGCVIAQ VGVMDMLKFH KYTIGHAWTT DYGCSDSKQH FEWLVKYSPL HNVKLPEADD IQYPSMLLLT ADHDDRVVPL 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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