

Recombinant human Prolyl Oligopeptidase/PREP protein

Catalog Number: ATGP2827

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-710aa

UniProt No.

P48147

NCBI Accession No.

NP_002717

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

83.1 kDa (733aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

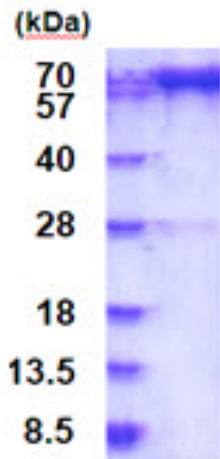
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YFAYGLSASG SDWVTIKFMK VDGAKELPDV LERVKFSCMA WTHDGKGMFY NSYPQDQGS DGTETSTNLH QKLYYHVLGT
DQSEDILCAE FPDEPKWMGG AELSDDGRYV LLSIREGCDP VNRLWYCDLQ QESSGIAGIL KVVKLIDNFE GEYDYVTNEG
TVFTFKTNRQ SPNYRVINID FRDPEESKWK VLVPEHEKDV LEWIACVRSN FLVLCYLHDV KNILQLHDLT TGALLKTFPL
DVGSIVGYSG QKKDTEIFYQ FTSFLSPGII YHCDLTKEEL EPRVFRETV KGIDASDYQT VQIFYPSKDG TKIPMFIVHK
KGIKLDGSHP AFLYGYGGFN ISITPNYSVS RLIFVRHMGG ILAVANIRGG GEYGETWHKG GILANKQNCF DDFQCAEYL
IKEGYTPKR LTINGGSNGG LLVAACANQR PDLFGCVIAQ VGVMMLKFH KYTIGHAWTT DYGCSDSKQH FEWLKYSPL
HNVKLPEADD IQYPSMLLLT ADHDDRVPPL HSLKFIATLQ YIVGRSRKQS NPLLIHVDTK AGHGAGKPTA KVIEEVSDMF
AFIARCLNVD WIP

General References

Matsuda, T., et al. (2013) Cell Biol. 45 (4), 850-857

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)