

Recombinant Human PREP, His-tagged

Cat. No. PREP-2378H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PREP (Leu2-Pro710) fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-710 a.a.
Description	The protein encoded by this gene 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.
Molecular Mass	81.6 kDa
Form	Liquid
Purity	> 90 % by SDS-PAGE
Biological activity	Specific Activity: 6 pmol/min/g. Assay condition: 50 mM Tris (pH 7.5), 100 g BSA, 20 μ M substrate and 500 ng Prolyl Endopeptidase protein at room temperature for 30 min.
Storage buffer	Preservative: None. Constituents: 30% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.

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Application	FuncS; SDS-PAGE
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
OfficialSymbol	PREP
GENE INFORMATION	
Gene Name	PREP prolyl endopeptidase [Homo sapiens]
Synonyms	prolyl endopeptidase; PE; PEP; MGC16060; PREP; prolyl oligopeptidase; post-proline cleaving enzyme; dJ355L5.1 (prolyl endopeptidase); Post-proline cleaving enzyme; EC 3.4.21.26
Gene ID	5550
mRNA Refseq	NM_002726
Protein Refseq	NP_002717
MIM	600400
UniProt ID	P48147
Chromosome Location	6q22
Function	serine-type endopeptidase activity; serine-type peptidase activity; peptide binding

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