Active Recombinant Human PREP, His-tagged

Cat. No. PREP-2377H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PREP (Leu2-Pro710) fused with an N-terminal Met and 6-His tag, was expressed in Sf 21 Cells
Species	Human
Source	Sf21 Cells
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 kDa
Predicted N terminal	Met
Formulation	Supplied as a 0.2 μm filtered solution in MES, NaCl and Glycerol.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Activity	Measured by its ability to convert the substrate benzyloxycarbonyl-Gly-Pro-7-amido-4-methylcoumarin (Z-GP-AMC) to Z-Gly-Pro and 7-amino-4-methylcoumarin (AMC). The specific activity is >3,500 pmol/min/μg, as measured under the described conditions.

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EndotoxinLevel	<1.0 EU per 1 μg of the protein by the LAL method.
Storage	6 months from date of receipt, 20 to 70 °C as supplied. Avoid repeated freezethaw 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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