

Active Recombinant Human PREP, His-tagged

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

SPECIFICATION

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| 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 µ 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/g, 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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