Prolyl Endopeptidase/PREP Protein, Mouse (sf9, His)

Cat. No.:	HY-P73692
Synonyms:	Prolyl endopeptidase; PE; Prep; Pep
Species:	Mouse
Source:	Sf9 insect cells
Accession:	Q9QUR6 (L2-Q710)
Gene ID:	19072
Molecular Weight:	79-83 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 500 mM NaCl, pH 7.4, 10% Glycerol, 3 mM DTT. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Prolyl Endopeptidase (PREP) is an enzyme that cleaves peptide bonds on the C-terminal side of prolyl residues within peptides, particularly those of shorter lengths, up to approximately 30 amino acids. This specificity for prolyl residues highlights PREP's role in the selective hydrolysis of peptide bonds in specific substrates. The enzyme's activity suggests its involvement in the regulation of peptides containing proline, which can be significant in various cellular processes. Although further research is required to fully elucidate its physiological functions, the identified substrate specificity positions PREP as a key player in the processing and modulation of proline-containing peptides (

Caution: Product has not been fully validated for medical applications. For research use only.

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