

Recombinant Human PGPEP1, His-tagged

Cat. No. PGPEP1-7057H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PGPEP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-209aa
Description	PGPEP1 is an omega peptidase which removes pyroglutamyl residues from the amino termini of peptides and proteins. It is a cytosolic cysteine peptidase that is expressed in most cell types. The enzyme requires a thiolreducing agent for activity. PGPEP1 is potentially involved in the inactivation of biologically active peptides that possess an amino terminal pyroglutamyl group. Examples of such peptides include neurotensin, luteinizing hormone releasing hormone, and thyrotropinreleasing hormone.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	25.5 kDa (232aa)
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE

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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
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Concentration	1 mg/ml
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GENE INFORMATION

Gene Name	PGPEP1 pyroglutamyl-peptidase I [Homo sapiens]
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Official Symbol	PGPEP1
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Synonyms	PGPEP1; pyroglutamyl-peptidase I; Pcp; PGP; PGP I; PGPI; PGP-I;
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Gene ID	65074
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MIM	610694
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UniProt ID	Q9NXJ5
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Chromosome Location	19p13.11
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