

## Recombinant Human PGPEP1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human PGPEP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-209aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
<b>Molecular Mass</b>	25.5 kDa (232aa)
<b>Purity</b>	>95% by SDS - PAGE
<b>Applications</b>	SDS-PAGE

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<b>Storage</b>	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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<b>Concentration</b>	1 mg/ml
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## GENE INFORMATION

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