

PGPEP1 recombinant protein

PGPEP1, 1-209aa, Human, His tag, E Coli

CATALOG # AAA48848	HOST E Coli	APPLICATIONS SDS-Page
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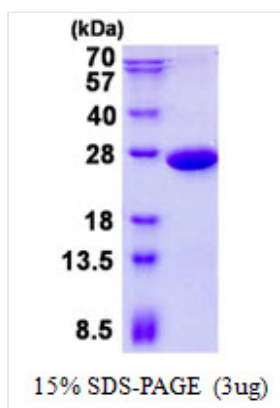
PRODUCT SYNONYMS

PGPEP1; 1-209aa; Human; His tag; E Coli; Pyroglutamyl-peptidase 1; Pyroglutamyl-peptidase I; Pcp; PGP; PGP-I; PGPI; PGPEP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMEQPRKA VVVTGFGPFG EHTVNASWIA VQELEKLGLG DSVDLHVYEI PVEYQTVQRL IPALWEKHSP QLVVHVGVSQ MATTVTLEKC GHNKGYSGLD NCRFCPGSQC CVEDGPESID SIIDMDAVCK RVTTLGLDVS VTISQDAGRY LCDFTYYTSL YQSHGRSAFV HVPPLGKPYN ADQLGRALRA IIEEMLDLLE QSEGKINYCH KH
Sequence Length	1-209aa
Applicable Applications for PGPEP1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PGPEP1 recombinant protein	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. Recombinant human PGPEP1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PGPEP1 recombinant protein	Proteases & Inhibitors
References	Kilbane Z. et al. (2007) Mol. Cell. Biochem. 297:189.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923198
NCBI GeneID	54858
NCBI Accession #	NP_060182
NCBI GenBank Nucleotide #	NM_017712.3
UniProt Accession #	Q9NXJ5 ; Q8IVT1 ; A8K1Q3
Molecular Weight	25.5 kDa (232aa), confirmed by MALDI-TOF
NCBI Official Full Name	pyroglutamyl-peptidase 1 isoform 1
NCBI Official Synonym Full Names	pyroglutamyl-peptidase I
NCBI Official Symbol	PGPEP1
NCBI Official Synonym Symbols	PGI; PGP; Pcp; PGPI; PAP-I; PGP-I
NCBI Protein Information	pyroglutamyl-peptidase 1
UniProt Protein Name	Pyroglutamyl-peptidase 1
UniProt Gene Name	PGPEP1
UniProt Synonym Gene Names	PGPI; PAP-I; PGP-I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.