

Product datasheet for **AR50663PU-N**

PGPEP1 (1-209, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PGPEP1 (1-209, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMEQPRKA VVTGFGPFG EHTVNASWIA VQELEKLGLG DSVDLHVEI PVEYQTVQRL IPALWEKHSP QLVVHVGVS G MATTVTLEKC GHNKGYKGLD NCRFCPGSQ CVEDGPESID SIIDMDAVCK RVTTLGLDVS VTISQDAGRY LCDFTYITSL YQSHGRSAFV HVPPLGKPYN ADQLGRALRA IIEMLDLLE QSEGKINYCH KH
Tag:	His-tag
Predicted MW:	25.5 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PGPEP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001287856
Locus ID:	54858
UniProt ID:	Q9NXJ5 , U3KQ24
Cytogenetics:	19p13.11
Synonyms:	PAP-I; Pcp; PGI; PGP; PGP-I; PGPI



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Summary:

The gene encodes a cysteine protease and member of the peptidase C15 family of proteins. The encoded protein cleaves amino terminal pyroglutamate residues from protein substrates including thyrotropin-releasing hormone and other neuropeptides. Expression of this gene may be downregulated in colorectal cancer, while activity of the encoded protein may be negatively correlated with cancer progression in colorectal cancer patients. Activity of the encoded protease may also be altered in other disease states including in liver cirrhosis, which is associated with reduced protease activity, and in necrozoospermia, which is associated with elevated protease activity. [provided by RefSeq, Jul 2016]

Protein Families:

Druggable Genome, Protease

Product images: