

PGPEP1 cDNA

Catalog Number: ATGD0329

PRODUCT INFORMATION

Catalog number

ATGD0329

Product type

cDNA

Species

Human

NCBI Accession No.

NP_060182.1

Alternative Names

PAP-I, Pcp, PGP, PGP-I, PGPI, Pyroglutamyl-peptidase 1

mRNA Refseq

NM_017712.3

OMIM

610694

Chromosome location

19p13.11

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

630bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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PGPEP1 (pyroglutamyl peptidase I) catalyzes the hydrolysis of N-terminal pyroglutamyl residues from oligopeptides and proteins.

DATA

Sequence nucleotides

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ATGGAGCAGCCGAGGAAGGCGGTGGTAGTGACGGGATTTGGCCCTTTTGGGGAACACACCGTGAACGCCAGTTGGATTGC
AGTTCAGGAGCTAGAAAAGCTAGGCCTTGGCGACAGCGTGGACCTGCATGTGTACGAGATTCCGGTTGAGTACCAAACAGT
CCAGAGACTCATCCCCGCCCTGTGGGAGAAGCACAGTCCACAGCTGGTGGTGCATGTGGGGGTGTCAGGCATGGCGACCA
CAGTCACACTGGAGAAATGTGGACACAACAAGGGCTACAAGGGGCTGGACAACCTGCCGCTTTTGCCCCGGCTCCCAGTGCT
GCGTGGAGGACGGGCCTGAAAGCATTGACTCCATCATCGACATGGATGCTGTGTGCAAGCGAGTCACCACGTTGGGCCTG
GATGTGTCGGTGACCATCTCGCAGGATGCCGGCAGATATCTCTGCGACTTTACCTACTACACCTCTTTGTACCAGAGTCACG
GTCGATCAGCCTTCGTCCACGTGCCCCACTGGGGAAGCCGTACAACGCGGACCAGCTGGGCAGGGCACTGAGAGCCATC
ATTGAGGAGATGTTGGACCTCCTGGAGCAGTCAGAGGGCAAATCAACTATTGCCACAAACACTGA
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Transaction Sequence

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MEQPRKAVVV TGFPGFGEHT VNASWIAVQE LEKLGSDSV DLHVYEIPVE YQTVQRLIPA LWEKHSPQLV VHVGVSGMAT
TVTLEKCGHN KGYKGLDNCR FCPGSQCCVE DGPEIDSII DMDAVCKRVT TLGLDVSVTI SQDAGRYLCD FTYYTSLYQS
HGRSAFVHVP PLGKPYNADQ LGRALRAIIE EMLDLLEQSE GKINYCHKH
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