

Specifications:

Gene:	<i>hHPN</i>
Accession:	NP_002142
Insert size:	1266bp
Concentration:	10µg at 0.2µg/µL

**hHepsin cDNA
Plasmid**

**HPN hepsin [*Homo sapiens*
(human)]**

Also known as: Tmprss1

Summary:

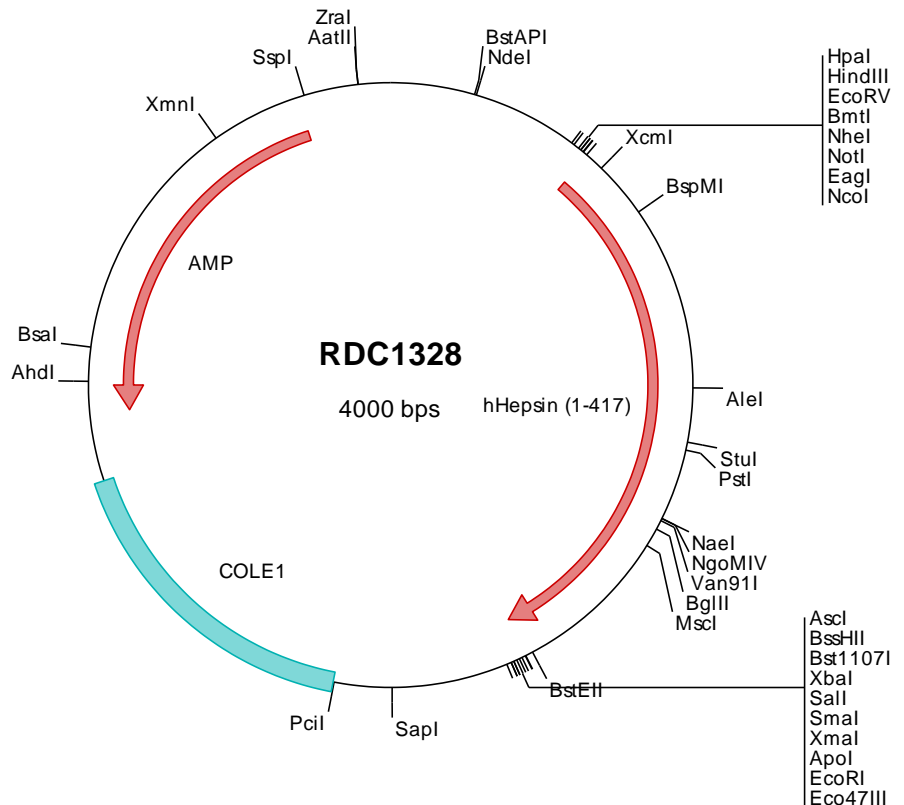
HPN is a type II transmembrane serine protease that may be involved in diverse cellular functions, including blood coagulation and the maintenance of cell morphology. It is cleaved into a catalytic serine protease chain and a non-catalytic scavenger receptor cysteine-rich chain, which associate via a single disulfide bond. Expression of HPN is associated with the growth and progression of cancers, particularly prostate cancer. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping Ships at ambient temperature
Stability 1 year from date of receipt when stored at -20°C to -80°C
Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1328 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
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> RDC1328 Translated Insert Sequence

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1 maqkeggrtv pccsrpkvaa ltagtllllt aigaaswaiv avllrsdqep lypvqvssad arlmvfdkte gwrlllcssr snarvaglsc eemgflralt
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201 aahcfpernr vlsrwrvfag avaqasphgl qlgvqavvyh ggylpfrdpn seensndial vhlssplpt eyiqpvclpa aggalvdgki ctvtgwntq
301 yygqagvlq earvpiisnd vcnqadfygn qikpkmfcaq ypeggidacq gdsqgpfvce dsisrtprwr lcgivswgtg calaqkpgvy tkvsdfrewi
401 fqaikthsea sgmvtql

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