

Specifications:

Gene:	hCPN1
Accession:	NP_001299.1
Insert size:	1390bp
Concentration:	10µg at 0.2µg/µL

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.

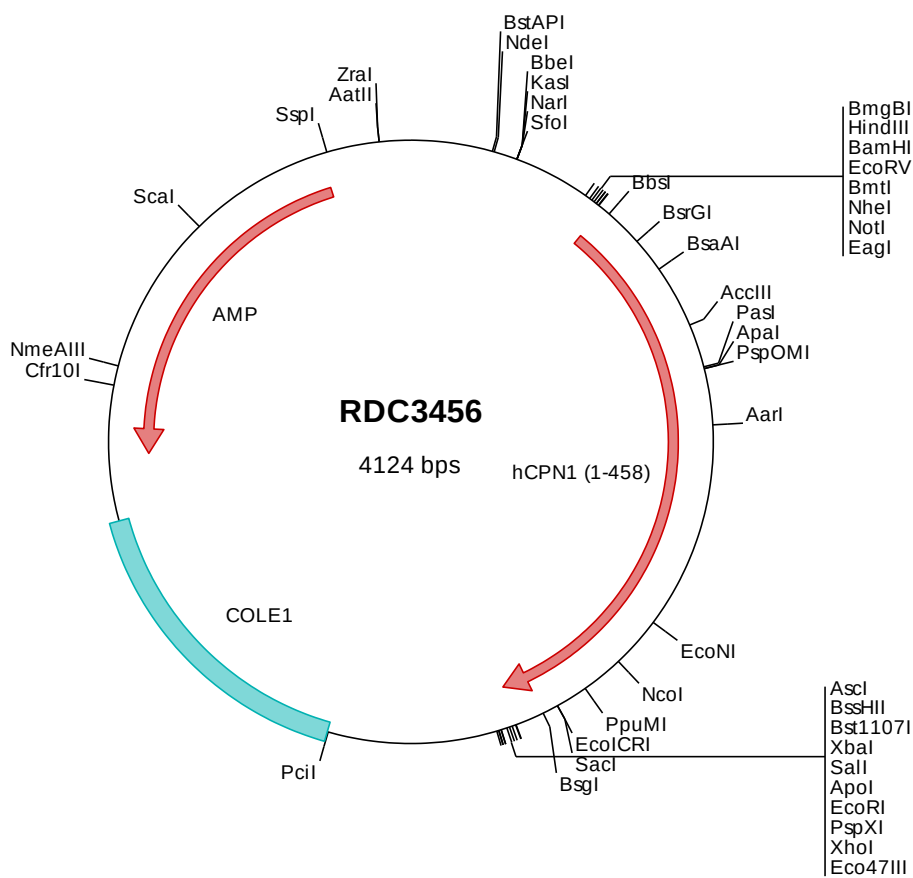
hCPN1 cDNA Plasmid

CPN1 carboxypeptidase N subunit 1 [*Homo sapiens* (human)]

Also known as: CPN; SCPN

Summary:

Carboxypeptidase N is a plasma metalloprotease that cleaves basic amino acids from the C terminal of peptides and proteins. It is important in the regulation of peptides like kinins and anaphylatoxins and has also been known as kininase-1 and anaphylatoxin inactivator. Carboxypeptidase N is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits; CPN1 is the catalytic subunit. Mutations in this gene can be associated with angioedema or chronic urticaria resulting from carboxypeptidase N deficiency.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3456 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgtttgg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta agccagggtt tttccagtc acgacgttgt aaaacgacgg ccagtgtaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atgtcagacc tgetctcagt ctctctccac ctctctcttc tcttcaagtt
501  ggtttgcccg gtgaccttcc gccaccaccg ctatgatgat cttgtgcgga cgtgtacaa ggtgcaaaac gaatgccccc gcatcacgcg ggtctacagc
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701  acatgcacgg caacgaagcg ttgggcgcgc agctgatgct gcagctgtcg gaggtttctgt gcgaggagtt ccggaacagg aaccagcgca acgtccagct
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> RDC3456 Translated Insert Sequence

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201  irwmhsfnfv lsanlhggav vanpydksf ehrvgrvrrt astptddkl fqklakvysy ahgwmfqqwn cgydfpdgit ngaswyslsk gmqdfnylht
301  ncfetilels cdkfppeeel qrewlgnrea liqfleqvqh gikgmvlde ynnlanavis vsghndvts gdhgdylfrll lpgiytsvat apgydpetvt
401  vtvgaepetl vnfhlkrsip qvsvrraps rrhgvrakvq pqarkkemem rqlqrqpa

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