

**Specifications:**

Gene:	hPCSK1
Accession:	NP_000430
Insert size:	2275bp
Concentration:	10µg at 0.2µg/µL

**hPCSK1 cDNA  
Plasmid**

**PCSK1 proprotein convertase subtilisin/kexin type 1 [ *Homo sapiens* (human) ]**

**Also known as:** PC1; PC3; NEC1; SPC3; BMIQ12

**Summary:**

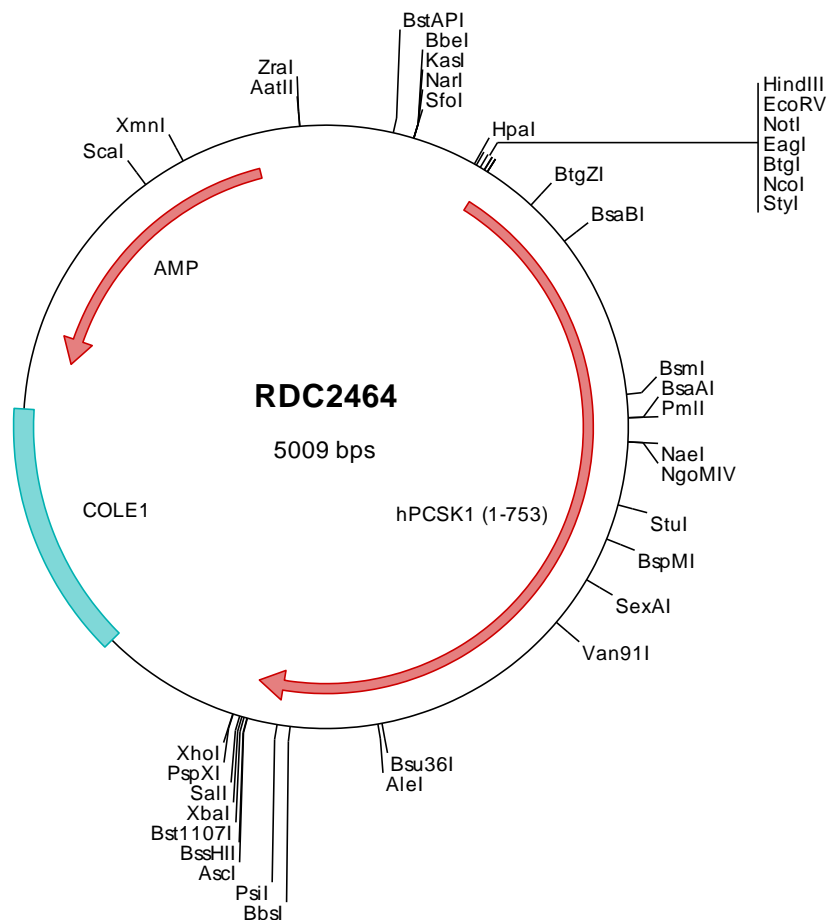
PCSK1 is a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. PCSK1 functions in the proteolytic activation of polypeptide hormones and neuropeptides precursors. Mutations in PCSK1 have been associated with susceptibility to obesity and proprotein convertase 1/3 deficiency. 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

> RDC2464 Plasmid DNA Sequence

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> RDC2464 Translated Insert Sequence

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