

Specifications:

Gene:	<i>hKLK2</i>
Accession:	NP_005542.1
Insert size:	799bp
Concentration:	10µg at 0.2µg/µL

***h*Kallikrein-2 cDNA Plasmid**

**KLK2 kallikrein related peptidase
2 [*Homo sapiens* (human)]**

Also known as: hK2; hGK-1;
KLK2A2

Summary:

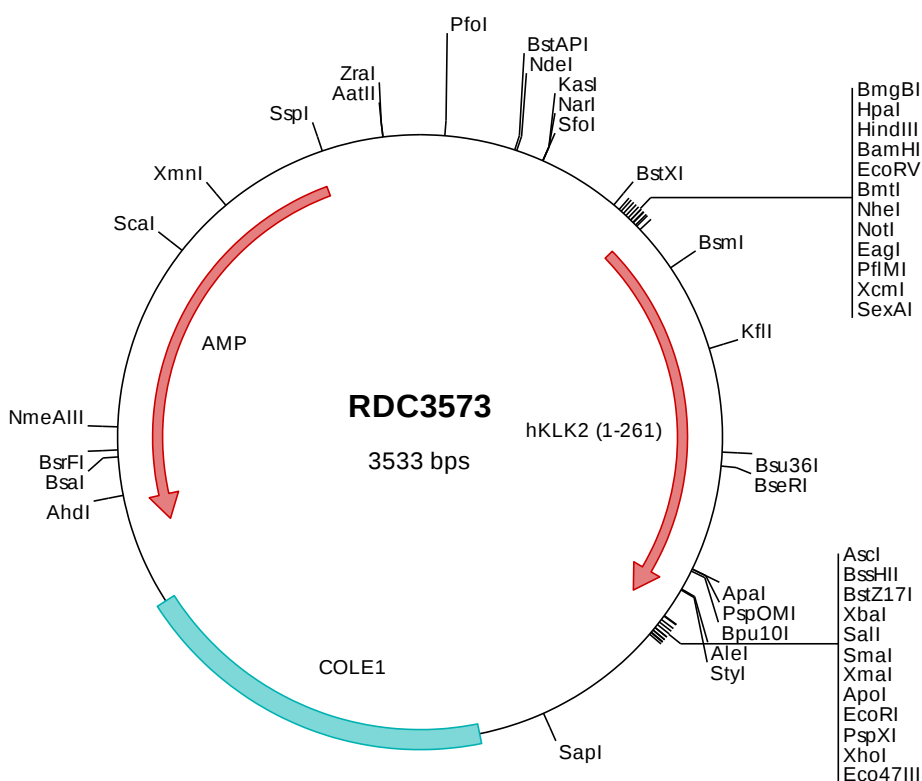
KLK2 is a member of the glandular kallikrein protein family. Members of this family are involved in a diverse array of biological functions. KLK2 gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. It is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. KLK2 is highly expressed in prostate tumor cells and may be a prognostic marker for prostate cancer risk.

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

> RDC3573 Plasmid DNA Sequence

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> RDC3573 Translated Insert Sequence

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