

Specifications:

Gene:	<i>hFN3K</i>
Accession:	NP_071441.1
Insert size:	943bp
Concentration:	10µg at 0.2µg/µL

hFructosamine-3-kinase/FN3K cDNA Plasmid

FN3K fructosamine 3 kinase
[*Homo sapiens* (human)]

Summary:

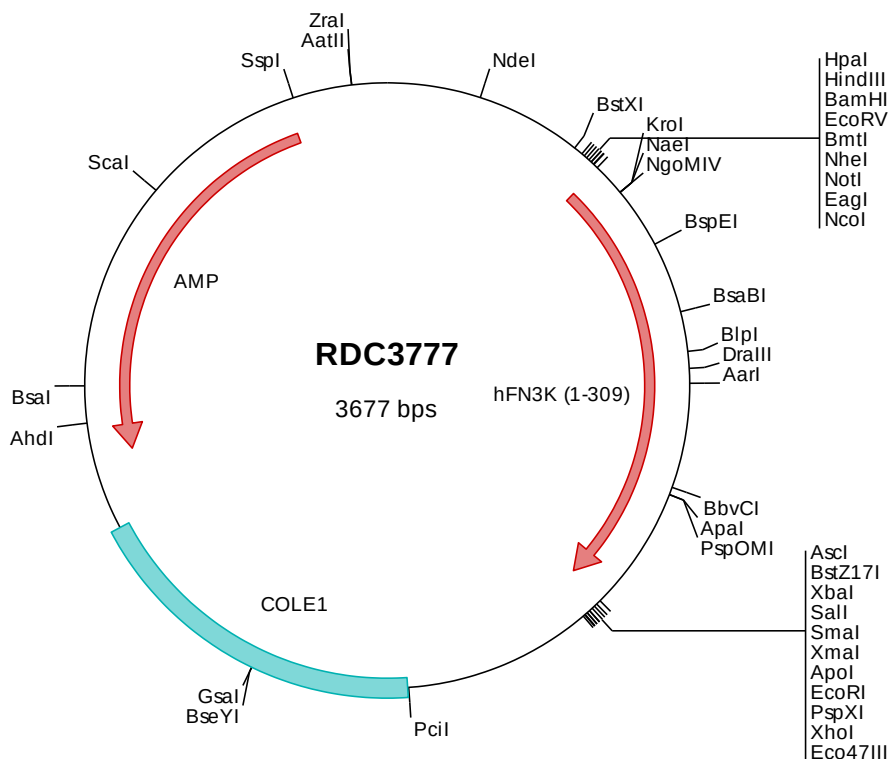
A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in this way, fructosamines, are less active or functional. FN3K is an enzyme which catalyzes the phosphorylation of fructosamines which may result in deglycation.

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.



> RDC3777 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccc
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> RDC3777 Translated Insert Sequence

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301  lgtmrrllk

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