

Specifications:

Gene:	hOPTN
Accession:	AAH32762.1
Insert size:	1729bp
Concentration:	10µg at 0.2µg/µL

hOptineurin cDNA Plasmid

OPTN optineurin [*Homo sapiens* (human)]

Also known as: NRP; FIP2; HIP7; HYPL; ALS12; GLC1E; TFIIIA-INTP

Summary:

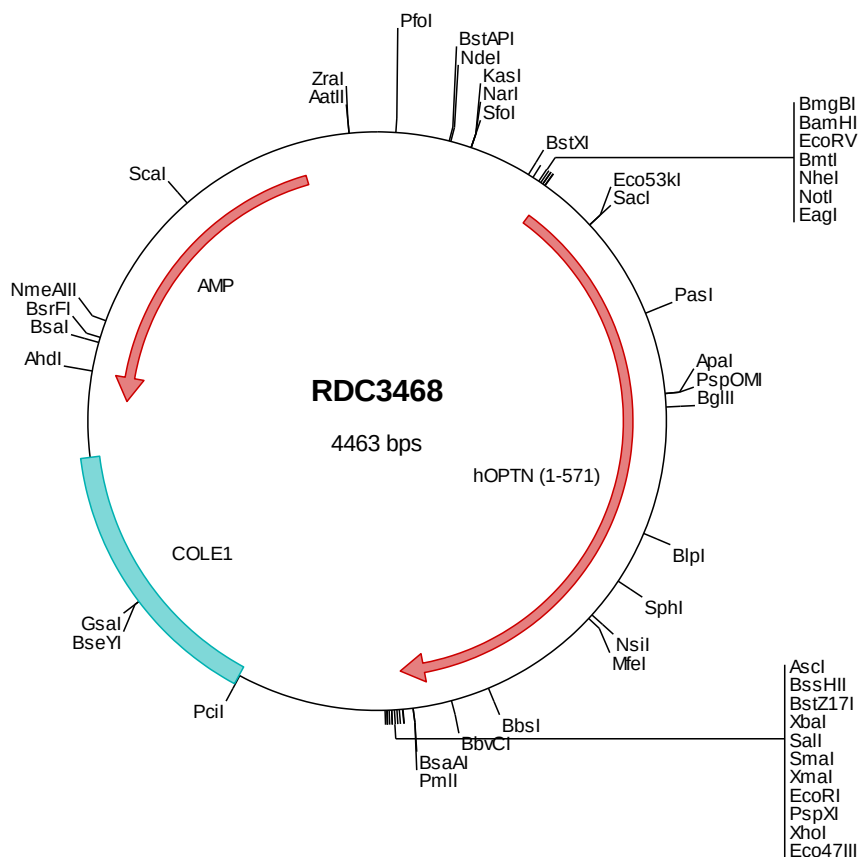
Optineurin is a coiled-coil containing protein that may play a role in normal-tension glaucoma and adult-onset primary open angle glaucoma. Optineurin interacts with adenovirus E3-14.7K protein and may utilize tumor necrosis factor-alpha or Fas-ligand pathways to mediate apoptosis, inflammation or vasoconstriction. Optineurin may also function in cellular morphogenesis and membrane trafficking, vesicle trafficking, and transcription activation through its interactions with the RAB8, huntingtin, and transcription factor IIIA proteins. 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.



> RDC3468 Plasmid DNA Sequence

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> RDC3468 Translated Insert Sequence

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