

Specifications:

Gene:	<i>hPLA2G3</i>
Accession:	NP_056530.2
Insert size:	1543bp
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.

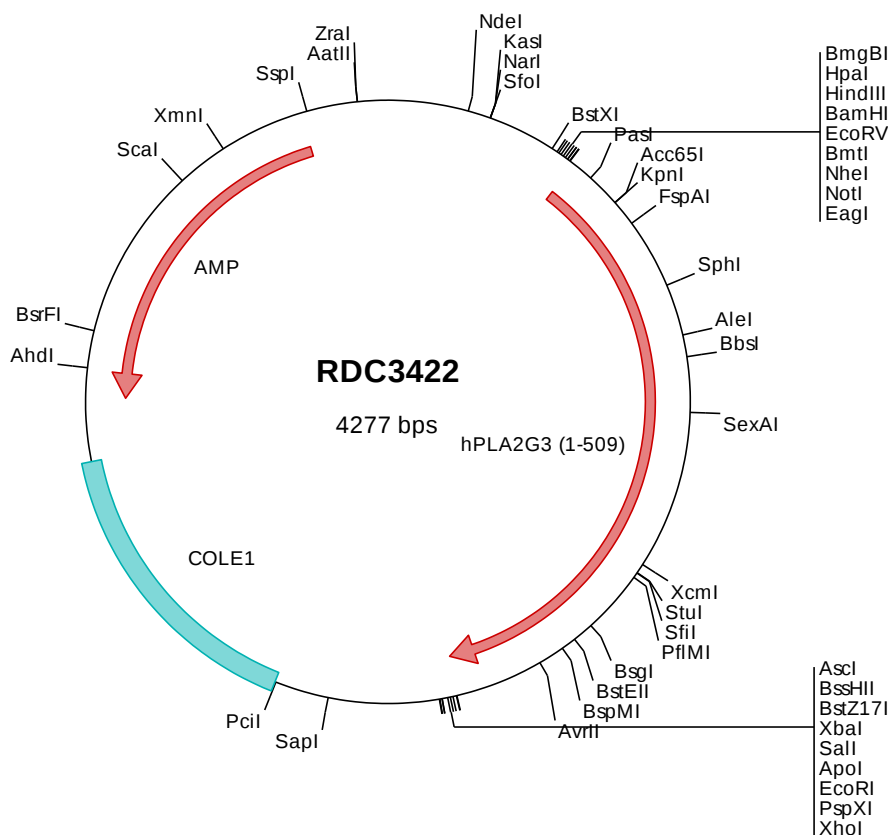
hPLA2G3 cDNA Plasmid

**PLA2G3 phospholipase A2 group III
[Homo sapiens (human)]**

Also known as: SPLA2III; sPLA2-III;
GIII-SPLA2

Summary:

PLA2G3 belongs to the secreted phospholipase A2 family, whose members include the bee venom enzyme. It functions in lipid metabolism and catalyzes the calcium-dependent hydrolysis of the sn-2 acyl bond of phospholipids to release arachidonic acid and lysophospholipids. PLA2G3 acts as a negative regulator of ciliogenesis, and may play a role in cancer development by stimulating tumor cell growth and angiogenesis. It is associated with oxidative stress, and polymorphisms in this gene are linked to risk for Alzheimer's disease.



> RDC3422 Plasmid DNA Sequence

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101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta agccagggtt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgccacc atgggggttc aggcagggtc gtttgggatg ctgggcttcc tgggggtggc
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> RDC3422 Translated Insert Sequence

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401  larflrlhsp pevtnmllwel lgttcfklap pldcvegknc srdprairvs arhlrlqlqr rhqlqdkgtd erqpwpsepl rgpmsfynqc lqltqaarrp
501  drqqkswsq

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