

Specifications:

Gene:	hPADI2
Accession:	NP_031391.2
Insert size:	2011bp
Concentration:	10µg at 0.2µg/µL

hPADI2 cDNA Plasmid

PADI2 peptidyl arginine deiminase 2 [*Homo sapiens* (human)]

Also known as: PAD2; PDI2; PAD-H19

Summary:

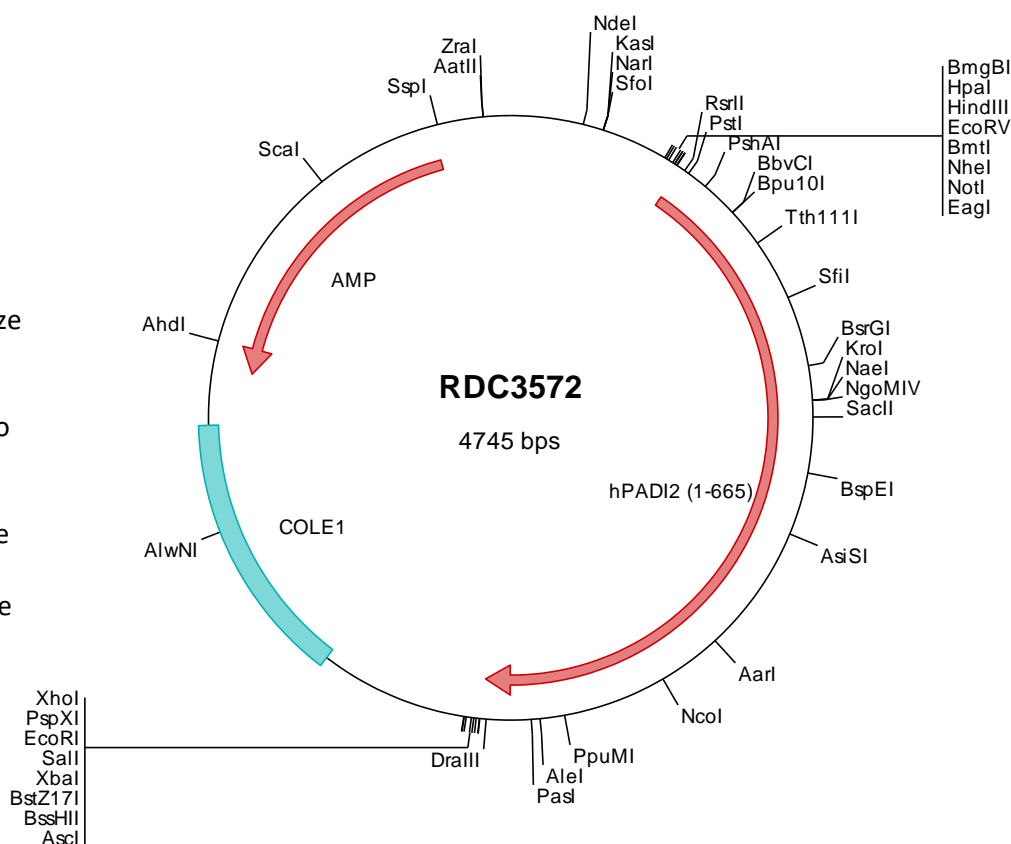
PADI2 is a member of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The family members have distinct substrate specificities and tissue-specific expression patterns. PADI2 is the most widely expressed family member. Known substrates for PADI2 include myelin basic protein in the central nervous system and vimentin in skeletal muscle and macrophages. It is thought to play a role in the onset and progression of neurodegenerative human disorders, including Alzheimer disease and multiple sclerosis.

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

> RDC3572 Plasmid DNA Sequence

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> RDC3572 Translated Insert Sequence

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