

Specifications:

Gene:	hGPR143
Accession:	NP_000264
Insert size:	1229bp
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.

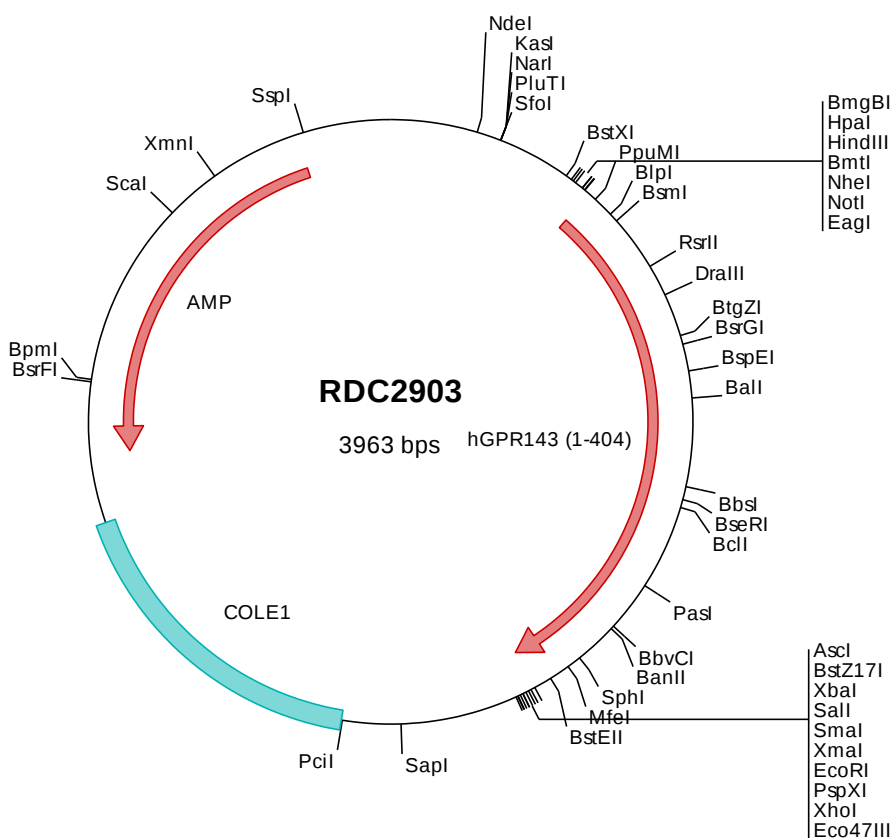
hOA1/GPR143 cDNA Plasmid

GPR143 G protein-coupled receptor 143 [*Homo sapiens* (human)]

Also known as: OA1; NYS6

Summary:

GPR143 binds to heterotrimeric G proteins and is targeted to melanosomes in pigment cells. It is thought to be involved in intracellular signal transduction mechanisms. Mutations in GPR143 cause ocular albinism type 1, also referred to as Nettleship-Falls type ocular albinism, a severe visual disorder.



> RDC2903 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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 acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atggcttccc ctgactagg gaccttctgc tgccctacga gagacgcagc
501  tacgcagctc gtgctgagct tcagccgag agcattccac gcactctgcc tgggaagcgg aggtctccgc ttggcgctgg gccttctgca gctgctgct
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701  gtatgggtat ccggtccacc gtgtggttag gattcccaaa ttttgttgac agcgtgtcgg atatgaacca caccgaaaatt tggcctgctg cttctgctg
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> RDC2903 Translated Insert Sequence

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201  pllllvianp ilfqktvtav asllkgrggi ytenermga vikirffkim lvliicwlsn iinesllfyl emqtdinggs lkpvrtakt twfimgilnp
301  aggfllslaf ygwgtgslgf qsprkeiqwe slttsaaega hpsplmphen pasgkvsqvg gqtsdealsm lsegdsasti eihtasescn knegdpalpt
401  hgdI

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