

Specifications:

Gene:	<i>h</i> ALDH1A3
Accession:	NP_000684.2
Insert size:	1552bp
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.

***h*ALDH1A3 cDNA**

Plasmid

ALDH1A3 aldehyde

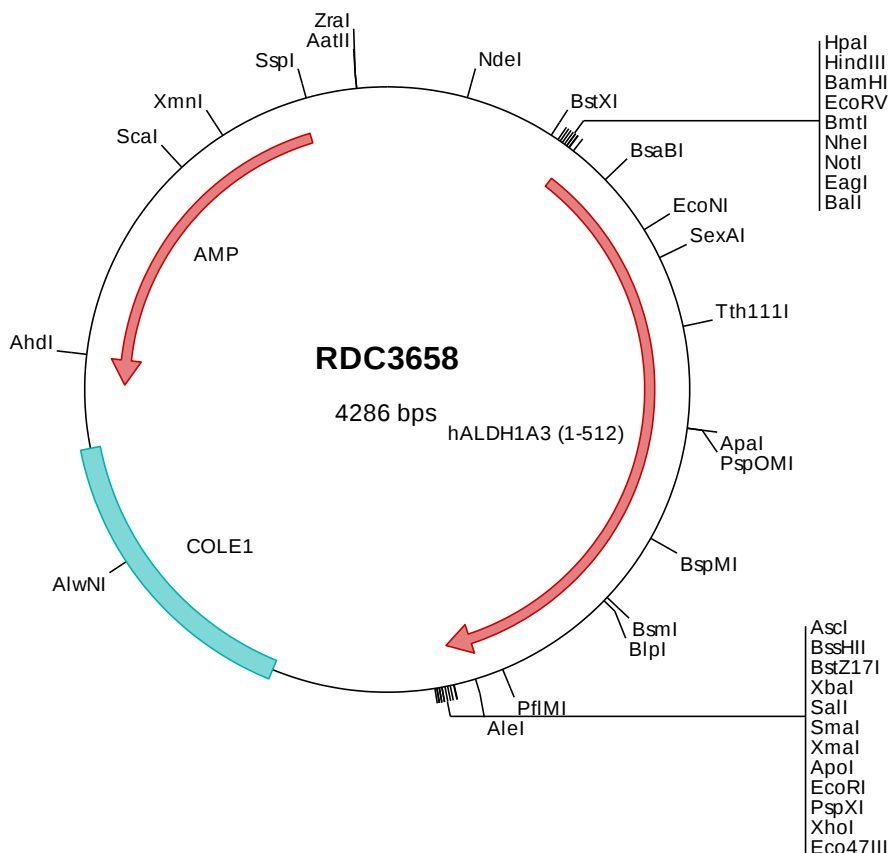
dehydrogenase 1 family member

A3 [*Homo sapiens* (human)]

Also known as: ALDH6; MCOP8;
RALDH3; ALDH1A6

Summary:

ALDH1A3 is an aldehyde dehydrogenase enzyme that uses retinal as a substrate. Mutations in ALDH1A3 have been associated with microphthalmia, isolated 8, and expression changes have also been detected in tumor cells. Alternative splicing results in multiple transcript variants.



> RDC3658 Plasmid DNA Sequence

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1  tcgcgcgttt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC3658 Translated Insert Sequence

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501  ktvtiklgdk  np

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