

Product datasheet for RC231231L4V

OriGene Technologies, Inc.

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ALDH8A1 (NM_001193480) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: ALDH8A1 (NM_001193480) Human Tagged ORF Clone Lentiviral Particle

Symbol: ALDH8A1

Synonyms: ALDH12; DJ352A20.2

Mammalian Cell

viairiiriailaii CCII

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_001193480

ORF Size: 1311 bp

ORF Nucleotide

OTI Disclaimer:

The ORF insert of this clone is exactly the same as(RC231231).

Sequence:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 001193480.1

 RefSeq ORF:
 1314 bp

 Locus ID:
 64577

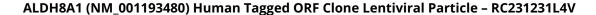
 UniProt ID:
 Q9H2A2

 Cytogenetics:
 6q23.3

Protein Families: Druggable Genome

MW: 48.5 kDa







Gene Summary:

This gene encodes a member of the aldehyde dehydrogenase family of proteins. The encoded protein has been implicated in the synthesis of 9-cis-retinoic acid and in the breakdown of the amino acid tryptophan. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. In addition, this enzyme has been shown to catalyze the conversion of 2-aminomuconic semialdehyde to 2-aminomuconate in the kynurenine pathway of tryptophan catabolism. [provided by RefSeq, Jul 2018]