

OriGene Technologies, Inc.

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Product datasheet for RC223398L2V

Aldehyde dehydrogenase 10 (ALDH3A2) (NM_000382) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Name:Aldehyde dehydrogenase 10 (ALDH3A2) (NM_000382) Human Tagged ORF Clone Lentiviral ParticleSymbol:Aldehyde dehydrogenase 10Symonyms:Aldehyde dehydrogenase 10Synonyms:Aldehyde dehydrogenase 10Synonyms:NoneGelection:Penti-C-mGFP (PS100071)Tag:mGFPACCN:NM_000382ORF Size:1455 bpORF Insert of this clone is exactly the same as(RC223398).Sequence:The nolecular 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 infoOTI Annotation:NM 000382.2RefSeqNM 000382.2RefSeq ORF:1458 bpLocus ID:224UniProt ID:P51648Cytogenetics:17p11.2Domains:aldech	Product Type:	Lentiviral Particles
Synonyms:ALDH10; FALDH; SLSMammalian Cell Selection:NoneVector:pLenti-C-mGFP (PS100071)Tag:mGFPACCN:NM_000382ORF Size:1455 bpORF Nucleotide 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 infoOTI Annotation:Nim 000382.2RefSeq Size:3702 bpRefSeq ORF:1458 bpLocus ID:224UniProt ID:21648Cytogenetis:17p11.2	Product Name:	
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Selection:Vector:pLenti-C-mGFP (PS100071)Tag:mGFPACCN:NM_000382ORF Size:1455 bpORF Nucleotide Sequence:The oRF insert of this clone is exactly the same as(RC223398).OTI Disclaimer: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 our statually 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 infoOTI Annotation:Nhis clone was engineered to express the complete ORF with an expression tag. Expression variants is recommended prior to use. More infoRefSeq Size:NM 000382.2RefSeq ORF:1458 bpLocus ID:224UniProt ID:PS1648Vytogenetics:1791.2	Synonyms:	ALDH10; FALDH; SLS
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Cytogenetics: 17p11.2	Locus ID:	224
	UniProt ID:	<u>P51648</u>
Domains: aldedh	Cytogenetics:	17p11.2
	Domains:	aldedh



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Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Arginine and proline metabolism, Ascorbate and aldarate metabolism, beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Histidine metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation
MW:	54.7 kDa
Gene Summary:	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This gene product catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acid. Mutations in the gene cause Sjogren-Larsson syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

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