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Product datasheet for RC223398L2V

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

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aldehyde dehydrogenase 10 (ALDH3A2) (NM_000382) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Aldehyde dehydrogenase 10
Synonyms:	ALDH10; FALDH; SLS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000382
ORF Size:	1455 bp
ORF 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 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.
RefSeq:	NM_000382.2
RefSeq Size:	3702 bp
RefSeq ORF:	1458 bp
Locus ID:	224
UniProt ID:	P51648
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]