

Product datasheet for RC207537L3

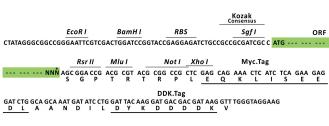
DHDH (NM_014475) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	DHDH (NM_014475) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	DHDH
Synonyms:	2DD; HUM2DD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207537).
Restriction Sites:	Sgfl-RsrII
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Cloning sites used for OK+ Shuttling:
	<i>Sgf I</i> ORF <i>Rsr II</i> GCG ATC GCC ATG // NNN AGC GGA CCG



* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_014475 1002 bp



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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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 014475.3</u>
RefSeq Size:	1098 bp
RefSeq ORF:	1005 bp
Locus ID:	27294
UniProt ID:	<u>Q9UQ10</u>
Cytogenetics:	19q13.33
Protein Pathways:	Metabolism of xenobiotics by cytochrome P450
MW:	36.4 kDa
Gene Summary:	This gene encodes an enzyme that belongs to the family of dihydrodiol dehydrogenases, which exist in multiple forms in mammalian tissues and are involved in the metabolism of xenobiotics and sugars. These enzymes catalyze the NADP1-linked oxidation of transdihydrodiols of aromatic hydrocarbons to corresponding catechols. This enzyme is a dimeric dihydrodiol dehydrogenase, and it differs from monomeric dihydrodiol dehydrogenases in its high substrate specificity for trans-dihydrodiols of aromatic hydrocarbons in the oxidative direction. [provided by RefSeq, Jul 2008]

hydrocarbons in the oxidative direction. [provided by RefSeq, Jul 2008]

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