

## Product datasheet for **RC204149L4V**

### ETFDH (NM\_004453) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ETFDH (NM_004453) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ETFDH
Synonyms:	ETFQO; MADD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004453
ORF Size:	1851 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204149).
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. <a href="#">More info</a>
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:	<a href="#">NM_004453.2</a> , <a href="#">NP_004444.1</a>
RefSeq Size:	2396 bp
RefSeq ORF:	1854 bp
Locus ID:	2110
UniProt ID:	<a href="#">Q16134</a>
Cytogenetics:	4q32.1
Domains:	ETFD
MW:	68.5 kDa



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**Gene Summary:**

This gene encodes a component of the electron-transfer system in mitochondria and is essential for electron transfer from a number of mitochondrial flavin-containing dehydrogenases to the main respiratory chain. Mutations in this gene are associated with glutaric acidemia. Alternatively spliced transcript variants that encode distinct isoforms have been observed. [provided by RefSeq, Aug 2013]