

Product datasheet for **RC200614L4V**

FH (NM_000143) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FH (NM_000143) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FH
Synonyms:	FMRD; HLRCC; HsFH; LRCC; MCL; MCUL1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000143
ORF Size:	1530 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200614).
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_000143.2
RefSeq Size:	1877 bp
RefSeq ORF:	1533 bp
Locus ID:	2271
UniProt ID:	P07954
Cytogenetics:	1q43
Domains:	lyase_1
Protein Families:	Druggable Genome



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Protein Pathways: Citrate cycle (TCA cycle), Metabolic pathways, Pathways in cancer, Renal cell carcinoma

MW: 54.6 kDa

Gene Summary: The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in both a cytosolic form and an N-terminal extended form, differing only in the translation start site used. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension generates the same form as in the cytoplasm. It is similar to some thermostable class II fumarases and functions as a homotetramer. Mutations in this gene can cause fumarase deficiency and lead to progressive encephalopathy. [provided by RefSeq, Jul 2008]