

Product datasheet for RC200388L4

OriGene Technologies, Inc.

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Fumarylacetoacetate hydrolase (FAH) (NM_000137) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fumarylacetoacetate hydrolase (FAH) (NM_000137) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Fumarylacetoacetate hydrolase

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

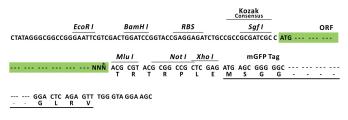
The ORF insert of this clone is exactly the same as(RC200388).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



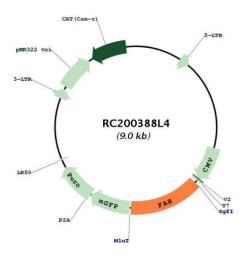


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_000137 **ORF Size:** 1257 bp

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.

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: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. 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 000137.1</u>

RefSeq Size: 1810 bp



Fumarylacetoacetate hydrolase (FAH) (NM_000137) Human Tagged Lenti ORF Clone – RC200388L4

 RefSeq ORF:
 1260 bp

 Locus ID:
 2184

 UniProt ID:
 P16930

 Cytogenetics:
 15q25.1

Domains: FAA_hydrolase

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Tyrosine metabolism

MW: 46.4 kDa

Gene Summary: This gene encodes the last enzyme in the tyrosine catabolism pathway. FAH deficiency is

associated with Type 1 hereditary tyrosinemia (HT). [provided by RefSeq, Jul 2008]