

## Product datasheet for RC219677L4V

## OriGene Technologies, Inc.

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## Frataxin (FXN) (NM\_181425) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** Frataxin (FXN) (NM\_181425) Human Tagged ORF Clone Lentiviral Particle

Symbol: FXN

**Synonyms:** CyaY; FA; FARR; FRDA; X25

Mammalian Cell

Selection:

Puromycin

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

Tag: mGFP

**ACCN:** NM\_181425

ORF Size: 588 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC219677).

Sequence:

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.

**RefSeg:** NM 181425.2

 RefSeq Size:
 7176 bp

 RefSeq ORF:
 591 bp

 Locus ID:
 2395

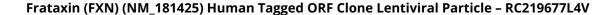
 UniProt ID:
 Q16595

Cytogenetics: 9q21.11

**Protein Families:** Druggable Genome

MW: 21.4 kDa







## **Gene Summary:**

This nuclear gene encodes a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA from 8-33 repeats to >90 repeats results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]