

Product datasheet for **RC219677L4V**

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



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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]