

Product datasheet for **RC219677L3V**

Frataxin (FXN) (NM_181425) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| 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-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| 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]