

Product datasheet for SC202986

Frataxin (FXN) (NM_001161706) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Frataxin (FXN) (NM_001161706) Human 3' UTR Clone
Symbol:	Frataxin
Synonyms:	CyaY; FA; FARR; FRDA; X25
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001161706
Insert Size:	274 bp
Insert Sequence:	<p>>SC202986 3'UTR clone of NM_001161706 The sequence shown below is from the reference sequence of NM_001161706. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ACGTGGCTCCTGTGGCTGTTCCATCCCTGAGGAAAAGTGAGGACCATGCTCTCCAAACAGGCCATGTGC TGGACTACCTCTGTTTCTGTCTCCTGGGATTCCAATCAGCAAGTGAGCAACGAAGCAACCCAGACAGTG TGGTTCATAGGATGGCTGGGTAAGTGGCTGTTTGTGTTTTTCTTACTGTGGATATGTATCAGTGAAGGA ATCTGTAGAACATTCTTGATGGGAACATTTAGTCATATCAAGTCAATAAATTAATGTTTAGGCTGGG ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001161706.1</u>



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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]

Locus ID: 2395

MW: 10.6