

Product datasheet for **SC201458**

FARS2 (NM_006567) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FARS2 (NM_006567) Human 3' UTR Clone
Symbol:	FARS2
Synonyms:	COXPD14; FARS1; HSPC320; mtPheRS; PheRS; SPG77
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006567
Insert Size:	184 bp
Insert Sequence:	>SC201458 3'UTR clone of NM_006567 The sequence shown below is from the reference sequence of NM_006567. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC CAGCTGTTGGGTGTGGAGGGCAGGTTCT TGA TGTCACCACTTCACTCAGGCTCAGCCCTCTTGGGGCTC CAGGATTTGCTGAAAGAGAAAAAGATATGGTTTGTGAAGTGGGGCATCAATCATCTTTTGATAAATGGA TCAGTTTTAGGACTTTCAGAAAAATAAAGATCGCTCTTAAAAAGCT ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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_006567.5</u>



Summary: This gene encodes a protein that transfers phenylalanine to its cognate tRNA. This protein localizes to the mitochondrion and plays a role in mitochondrial protein translation. Mutations in this gene can cause combined oxidative phosphorylation deficiency 14 (Alpers encephalopathy). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Locus ID: 10667

MW: 6.9