

## Product datasheet for SC212406

### Leucyl tRNA synthetase (LARS) (NM\_020117) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Leucyl tRNA synthetase (LARS) (NM_020117) Human 3' UTR Clone
Symbol:	Leucyl tRNA synthetase
Synonyms:	hr025Cl; HSPC192; ILFS1; LARS; LEURS; LEUS; LFIS; LRS; PIG44; RNTLS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_020117
Insert Size:	1102 bp
Insert Sequence:	>SC212406 3'UTR clone of NM_020117 The sequence shown below is from the reference sequence of NM_020117. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGCGATAACAATAATCTATCTGGTTCATTAAACTCATGCACATTGGAGATTATCCTGGTTTCTTAGGAA
TACTACTACTCTGATTGTGTCTACTGATTGGCTATCAGAACCTTAGGCTGGACCTAAATAGATTGATTT
CATTTCTAACCATCCAATTCTGCATGTATTATAATTCTATCAAGTCATCTTTGATTCTCGGACCTAAT
AAATTTTTTTTCCCTTTCTTTGGGTGTCCAAGAGAAATGGTTTTTGGCAAACCTTTTTTAAAAAACAAA
TTGTTGCTATTTCTAGAAAGTTTCTGGTTTTAAGATGAACATAAAAGTGTGAGTATGCTCTTTTTATG
AGGTGACTTTTACTTTGATGAAGGCTAAGGTGTACCTAACAGCTTTTTATAGTATATTCATTTATGG
AGTTAGCTGTATTTTTTTTTAAAAAGAAAAGTAGTAAATTAGCAGCTTTTTTTTTTAAATGAAGAGAA
CTTCATGATGATTTAAAAGAATAATGAGAATATTTTGACTTGACTTCAATTAAGTATTTGTATA
AAGAACAATAAGGTCCTGCATTTATAAGACTTTTTAAAGCTTTAATTATTCAACTAAGAACCAATAAT
GGCTTCTCAAGGCTAATATCAATAGTTTATAAGCAGTATATTTACCTACACTAAATATGGGCATTTT
AAAAGAAGATCCCCCTTCCCCCAGAAATCTGCATTTACTAAATTTGTCTTAAGTCCAATTGTGTT
TAAAGTCAATGCTGGTGGGTGTGGTGGCTCACACCTATAATCCAGCACTTTGGGAGGCCAAGGTGGG
CAGTCACCTGAGTGCAGGAGTTTGAGACCAGCTGACCAACATGGTGAAACCCCGTCTCTACTAAAAAT
ACAAAAATTAGCTTGGCATGGTGGCGGGTACCTGTAATCCAGCTGCTTGGGAGTGTGAGGCAGGAGAA
TCGCTTGAACCTGGGAGACCGAGGTTGCAGTGAAGTGAACCGTGCCATTGCACTCCAGCTTAGGCAAC
AAGAGTGAACCTGTCTCAATCAATCCATCAATCAATCAATAAAATAGAGGTGCTGCTGACTATTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG

```

Restriction Sites: SgfI-MluI



[View online >](#)

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_020117.11</a></u>
<b>Summary:</b>	This gene encodes a cytosolic leucine-tRNA synthetase, a member of the class I aminoacyl-tRNA synthetase family. The encoded enzyme catalyzes the ATP-dependent ligation of L-leucine to tRNA(Leu). It is found in the cytoplasm as part of a multisynthetase complex and interacts with the arginine tRNA synthetase through its C-terminal domain. A mutation in this gene was found in affected individuals with infantile liver failure syndrome 1. Alternatively spliced transcript variants of this gene have been observed. [provided by RefSeq, Dec 2015]
<b>Locus ID:</b>	51520
<b>MW:</b>	42.7