

Product datasheet for **SC201935**

GARS1 (NM_002047) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GARS1 (NM_002047) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GARS1
Synonyms:	CMT2D; DSMAV; GARS; GlyRS; HMN5; HMN5A; SMAD1; SMAJI
ACCN:	NM_002047
Insert Size:	203 bp
Insert Sequence:	>SC201935 3'UTR clone of NM_002047 The sequence shown below is from the reference sequence of NM_002047. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ACTGGTAAAAAAGAGACAATCGAGGAATGAGGACAATTTTGACAACCTTTGACCACTTTCGCTAATAAAA AAAAAAAAAAAACTACTCTTATGTCCACTTTACAAAAGAAAACAGCATTGTGATTACTCCAGGGACCG TATTTTATCTTCAGTGGCTGCCTGATTTTACCCCCACAATTAAAGTTGAAGGAATCCTGAACAAA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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:	NM_002047.4



[View online »](#)

Summary: This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)₂ dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Locus ID: 2617

MW: 7.7