

Product datasheet for **SC204343**

AlaRS (AARS) (NM_001605) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AlaRS (AARS) (NM_001605) Human 3' UTR Clone
Symbol:	AlaRS
Synonyms:	AARS; CMT2N; DEE29; EIEE29
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001605
Insert Size:	453 bp
Insert Sequence:	>SC204343 3'UTR clone of NM_001605 The sequence shown below is from the reference sequence of NM_001605. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGCTGCGCCTCGGGATGTAAAGAACTGAGTGGGGAAGGAGGAGGCTCCCACTGGATCCATCCGTCCA
GCCAAGAGCTCTTCATCTGCTACAAGAACATTTGAATCTTGGGACCTTTAAAGAGCCCTCCTAACCCA
GCAGTAACTGGAACACACTTGGGAGCAGTCCTATGTCTCAGTGCCCTTAAATTTCTGCCCTGAGCCCT
CCACGTCAGTGCCATCGGTCTAGAACCTAACCCTGATTGCTGTTGATCGTCACGCTCGCATCTATA
GATAACGGCTCTCCAGACCTGAGCTTCCGCGTCAGCAAGTAGGAATCGTTTTTGCAGAGAATAAAA
AGGACCACGTGCAATACTTAATGCCGCATGATCTCTATCCCTCTCCCAATAGGGGCTGGCTCTTTTGA
CAGCCTTTGGCGTCTGTAGAATAAATGCTGTGGCTCCTG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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: [NM_001605.3](#)

Summary: The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthases, of the class II enzymes. Class II tRNA synthases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41% identity with the E.coli protein. tRNA synthases are the enzymes that interpret the RNA code and attach specific aminoacids to the tRNAs that contain the cognate trinucleotide anticodons. They consist of a catalytic domain which interacts with the amino acid acceptor-T psi C helix of the tRNA, and a second domain which interacts with the rest of the tRNA structure. [provided by RefSeq, Jul 2008]

Locus ID: 16

MW: 16.4