

Product datasheet for **SC206267**

Isoleucyl tRNA synthetase (IARS) (NM_013417) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Isoleucyl tRNA synthetase (IARS) (NM_013417) Human 3' UTR Clone
Symbol:	Isoleucyl tRNA synthetase
Synonyms:	GRIDHH; IARS; ILERS; ILRS; IRS; PRO0785
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_013417
Insert Size:	630 bp
Insert Sequence:	>SC206267 3'UTR clone of NM_013417 The sequence shown below is from the reference sequence of NM_013417. 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
TCTGTGTTACCAACAACAGCAGACTTCTAGCATGTACTTATCAATGTTGTTTCGGTCAGCCCTTCCCTAA
TTACACCTATCCCCTACACATACATGCACATAGACACACACATGAACACACTGAAGATATTTCCCTCAG
GTGTGTGTAATAATATGCTGCTTGGATTGAAATTCAAATGGGATTGATTAGTCAAGTAACTTGAGACCTC
ACAGTAATCTTCACACTTAACCTTAGACACCTATGCAGTCATGTTGGGAGCAGGTTACAATGTTACTTC
AGCCCACAGTTTATTTCTATACTTGAGTTCTTAAGTACAGAAGATAGAAGTGATTTAAATGTCATAGTA
TATATATCATTCTGGCCTTTTAAAAATTTATTTGAGACCTCTTGATGAAATGGACATATTATATATTT
CTGCCACCTGGATTTTCTGGATAATTTGATGGAATATTTAAGTTTCAGTAAATCAGAACAATAAACA
AACTCAGATATAAATGTGTTGAAAGTAATTCATTCTCCCATAGATAAATGAAACTTGAAATGTGTAAC
TTTGAAGAACATAAAAACTTCATGGTGGTTTCTTATTAAGACAGTGGACTAGACATCTAATAAAACTTC
TTTCAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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).



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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_013417.4
Summary:	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Isoleucine-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family and has been identified as a target of autoantibodies in the autoimmune disease polymyositis/dermatomyositis. Alternatively spliced transcript variants have been found. [provided by RefSeq, Nov 2012]
Locus ID:	3376
MW:	24.3