

Product datasheet for SC206268

Isoleucyl tRNA synthetase (IARS) (NM_002161) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Isoleucyl tRNA synthetase (IARS) (NM_002161) Human 3' UTR Clone
Symbol:	Isoleucyl tRNA synthetase
Synonyms:	GRIDHH; IARS; ILERS; ILRS; IRS; PRO0785
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002161
Insert Size:	630 bp
Insert Sequence:	>SC206268 3'UTR clone of NM_002161 The sequence shown below is from the reference sequence of NM_002161. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
TCTGTGTTACCAACAACAGCAGACTTCTAGCATGTACTTATCAATGTTGTTGCGGCAGCCCTTCCCTAA
TTACACCTATCCCTACACATACATGCACATAGACACACACATGAACACACTGAAGATATTTCTTCAG
GTGTGTGTAATAATGCTGCTTGGATTGAAATTCAAATGGGATTGATTAGTCAAGTAACTTGAGACCTC
ACAGTAATCTTCACACTTAACCTTAGACACCTATGCAGTCATGTTGGGAGCAGGTTACAATGTTACTTC
AGCCACAGTTTATTTCTATACTTGAGTTCTTAAGTACAGAAGATAGAAGTGATTAAATGCGATAGTA
TATATATCATTTTCTGGCCTTTTAAATTTATTTGAGACCTCTTGATGAAATGGACATATTATATATTT
CTGCCACCTGGATTTTCTGGATAATTTGATGGAATATTTAAGTTTCAGTAAATCAGAACAAATAACA
AACTCAGATATAAATGTGTTGAAAGTAATTCATTCTCCCATAGATAAATGAACTTGAAATGTGTAAC
TTTGAAGAACATAAAACTTCATGGTGGTTTCTTATTAAGACAGTGGACTAGACATCTAATAAACTTC
TTTCAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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:	<u>NM_002161.6</u>
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