

Product datasheet for SC209731

HARS2 (NM_012208) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HARS2 (NM_012208) Human 3' UTR Clone
Symbol:	HARS2
Synonyms:	HARSL; HARSR; HisRS; HO3; PRLTS2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_012208
Insert Size:	783 bp
Insert Sequence:	<p>>SC209731 3'UTR clone of NM_012208</p> <p>The sequence shown below is from the reference sequence of NM_012208. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
GAAATTCAGAAGCGACTGTCTGAGTCTTGATTCCTTGCCTGATTCCCATCTGCTGCTTTGTAGAAAAG
GTTTCCTCTAGAACTGAATTCCTCTGGAATTGAGTGATGGACTTCACAACAAGTCCAGGAAGGGTGA
CAAGTACCTTCTGCCTCCTCCATTCTTCCTGGGTGCAGAACTGTAGAAGACCCTGAGGACTCCTGGGCT
AGTGTGAGCAGCTATTCTGCATGGGTGCAGATGGCTGGATGTGAAAGAGACATGCTCTAGCTGCAGAGG
CAAATTTGAAGTGCCACGGAACGTTGTCAAGAGGTAGTGAGATTGTTGCTGTGAGCAAGGCTCTGGGAG
AGTCACCTCAGGCTCAGGATTCTGAACCATTGAGATCAGAAACCAGATACTTAGCCTTCTACTGTAGCT
ACGGAACCAGATTCTGGTGAATTTGTCCACAATCAGCCATTGGCCTGTCTGGGGAGTTTTTGAAGACA
GCAAAGAGGGGCAATGGCTGCTTTCAGCTTTGAGGACAGATGCTATCCTAAGGGCATGGCAGTACCCAT
GTTGATTTGACATCTCTCTAGCCCATCCATTGCTTACAGTAGAAGAGTGGGGCTGTATGCTTGATAATC
TTGAACATTGAACTTAATAGATGACTTGACAAGGTAGAGATCTGATATTTTGAGATTTTGGAGACCATT
TCCTGTGCCAGAATCACTGCTCTATTCCATACCGTGCCATGGAGGCTGTTTTAGAAGTGGTTGGATAAC
ATGTTAAATAAAATATTAAGTGTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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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:	<u>NM_012208.4</u>
Summary:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is an enzyme belonging to the class II family of aminoacyl-tRNA synthetases. Functioning in the synthesis of histidyl-transfer RNA, the enzyme plays an accessory role in the regulation of protein biosynthesis. The gene is located in a head-to-head orientation with HARS on chromosome five, where the homologous genes likely share a bidirectional promoter. Mutations in this gene are associated with the pathogenesis of Perrault syndrome, which involves ovarian dysgenesis and sensorineural hearing loss. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]
Locus ID:	23438
MW:	29.6