

## Product datasheet for SC333149

### TARS2 (NM\_001271896) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TARS2 (NM\_001271896) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TARS2  
**Synonyms:** COXPD21; TARSL1; thrRS  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333149 representing NM\_001271896.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCCTGTATCAGAGGTGGCGGTGTCTCCGGCTCCAAGGTTTACAGGCTTGCAGGCTACACACGGCA
GTTGTGTCGACCCTCCACGCTGGTTGGCAGAGCGGCTTGGCCTTTTGGAGAGCTGTGGCTGCTCAG
GTAAGAGATTAGCAAGCATGGCACAGAAGGAACCCCGGACTATTAAGATATCACTTCTGGAGGCCAG
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TACCATGATTTCTTCTGGGAAAGGAGAGGACAATCCGGGGCTCAGAGCTGCCTGTTTTGGAGCGGATT
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TTGTTCAAGGCTGAGTATGCCCATCGTGGTTTCTCCGAGGTGAAAACCTCCACACTGTTTTCTACGAAG
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GACAGGCTCCCAGCTCCCAGAGTGACGATTCTACCAGGCATATCACAGATACACTCGCCCTCAAGCCT
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CACGATGCCCTGGGCCGCCACATCAGTGTGGGACAATTCAGCTTGACTTCCAACCTGCCCTGAGATTT
GACCTCCAGTATAAGGGCAGGCGGGTGCCTGGAGCGTCCAGTCTCATTACCAGCAGTGTCTCGGT
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TTCCAGGTGGTGGTTCCTGTGGGAGTGAGCAAGAGGAATACGCCAAAGAGGCACAGCAGAGCCTG
CGGGCTGCAGGACTGGTCACTGAGTGGATGCAGACTCTGGACTGACCTCAGCCGAGAAATCCGCCGG
GCCAGCTTGCCCACTACAATTTTCAAGTTTGTGGTTGGCCAGAAAGAGCAAGTAAAGAGAAGTGAAC
ATTCGACTCGAGATAATCGTCGCTTGGGGAGTGGGACTTGCCTGAGGCTGTGCAGCGACTGGTGGAG
CTACAGAACACGAGGGTCCCAAATGCCGAAGAAATTTCTGA
  
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**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001271896
<b>Insert Size:</b>	1767 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001271896.1</a>
<b>RefSeq Size:</b>	2417 bp
<b>RefSeq ORF:</b>	1767 bp
<b>Locus ID:</b>	80222
<b>UniProt ID:</b>	<a href="#">Q9BW92</a>
<b>Cytogenetics:</b>	1q21.2
<b>Protein Pathways:</b>	Aminoacyl-tRNA biosynthesis
<b>MW:</b>	66.4 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the class-II aminoacyl-tRNA synthetase family. The encoded protein is a mitochondrial aminoacyl-tRNA synthetase. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 4. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (3) lacks four exons in the coding region, compared to variant 1. The encoded isoform (c) is shorter compared to isoform a.</p>