

Product datasheet for **RC203395**

TARS2 (NM_025150) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TARS2 (NM_025150) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TARS2
Synonyms:	COXPD21; TARSL1; thrRS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC203395 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

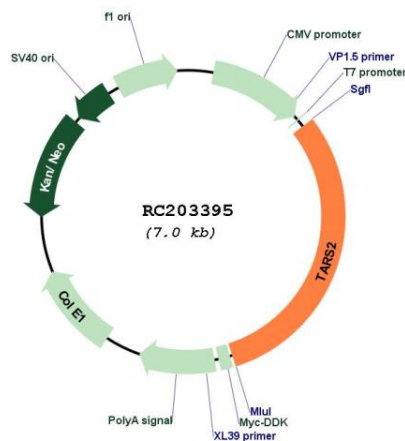
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 GCC**CGCATCGCC**

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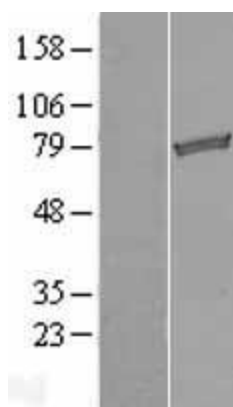
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_025150.5
RefSeq Size:	2807 bp
RefSeq ORF:	2157 bp
Locus ID:	80222
UniProt ID:	Q9BW92
Cytogenetics:	1q21.2
Domains:	tRNA-synt_2b, TGS, HGTP_anticondon
Protein Pathways:	Aminoacyl-tRNA biosynthesis
MW:	81 kDa
Gene Summary:	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]

Product images:



Circular map for RC203395



Western blot validation of overexpression lysate (Cat# [LY410867]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203395 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).