

Product datasheet for **RC204828L3V**

YARS2 (NM_001040436) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	YARS2 (NM_001040436) Human Tagged ORF Clone Lentiviral Particle
Symbol:	YARS2
Synonyms:	CGI-04; MLASA2; MT-TYRRS; TYRRS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001040436
ORF Size:	1431 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204828).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001040436.1
RefSeq Size:	2173 bp
RefSeq ORF:	1434 bp
Locus ID:	51067
UniProt ID:	Q9Y2Z4
Cytogenetics:	12p11.21
Protein Families:	Druggable Genome
Protein Pathways:	Aminoacyl-tRNA biosynthesis



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MW: 53.2 kDa

Gene Summary: This gene encodes a mitochondrial protein that catalyzes the attachment of tyrosine to tRNA(Tyr). Mutations in this gene are associated with myopathy with lactic acidosis and sideroblastic anemia type 2 (MLASA2). [provided by RefSeq, Jan 2011]