OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN207239

Tars2 (NM_001014040) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tars2 (NM_001014040) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tars2
Synonyms:	RGD1308283; Tarsl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>RN207239 representing NM_001014040
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTCTCTGTCTGAGGTGGCGCCGGCTTGGGTTCCCACTCCCGGGGTTCCGCCGCTGCGAGCTCCACA
CAGTGCGTGAGGCCCCTATACCAACTCCTCCACATTGGTTGGCAGAACGATTTGGCCTTTTTGAGGAGCT
ATGGACTGCTCAGGTGAAGAGATTAGCAAGTATGACACAGAAGAAAGCCCGGACTATTAAGATATCACTT
CCTGAAGGCCAGAAGGTAGATGCTGTTGCATGGAATACAACCCCTTATCAACTGGCCCAGCAGATCAGTT
CGACACTGGCTGATACTGCAGTGGCTGCTGAAGTAAATGGAGAACTTTACGATCTGGACCGACCCTTGGA
GACAGATTGTCACCTCAGATTTCTGACATTTGATTCCCCAGAGGGCAAAGCGGTGTTCTGGCGCTCTAGT
GCCCACGTTCTGGGTGCAGCAGCTGAGCAACATCTGGGTGCTGTTCTCTGCAGAGGTCCAAGTACAGAAT
CTGGCTTTTACCTTGATTTCTTCCTGGGAAAAGAACGGACAGTCCGCAGCACGGAGTTGCCCACTTTAGA
GCGGATTTGCCAGGAGATCATAACTGCTGCACAGCCTTTCCGAAGGCTAGAGGCTTCCCGGGGTCAGCTT
CGCCAGCTCTTCAAGGATAACCACTTTAAGCTTCATGTGATCGAGGAGAAAGTGACAGGCACGACAGCAA
CAGTGTACGGGTGTGGCATGTCGGTTGACCTGTGCCAGGGCCCCCATCTTCGGCACACAGGACAGATTGG
AGCACTGAAGCTGCTCACGAACTCCTCGGCCTTGTGGAGGTCCTCCGAAGCGCCTGAGACACTGCAGAGG
GTATCAGGAATTTCTTTCCCCAAGGCAGAGTTACTGAGGAATTGGGAAGCTCGAAGGGAGGAAGCAGAGT
TAAGAGATCACAGACGCATCGGGAAGGAACAGGAGCTCTTCTTCTTCCATGAGCTGAGCCCTGGGAGCTG
CTTTTTCCTGCCACGAGGGACAAGAATTTATAACGCCCTGGTGGCTTTTATCAGGGCTGAGTATGCCCGA
CGAGGTTTCTCAGAGGTGAAAACTCCCACGCTGTTTTCTACAAAACTCTGGGAACAGTCAGGGCACTGGG
AGCATTATAGGGCACACATGTTTTCCCTAAAGCCCCCAGGCACTGATGGTGTCGACAGCTCCCAGAGTGG
CCATCCTGCCAGGTGTCCCAAAGACACACTTGCTCTAAAGCCCATGAACTGCCCTGCACACTGCCTGATG
TTTGCCCACCGGCCCAGATCCTGGCGAGAACTGCCTGTGCGGCTGGCTGATTTCGGAGTCCTGCATCGTG
CGGAGGCCTCTGGCAGTCTGGGAGGATTGACGCGGCTGTGGCGCTTCCAGCAGGATGATGCTCACATCTT
TTGTGCGCCCAGTCAGCTGGAAGCAGAGATCCGGGGCTGCCTTGATTTTCTCCGGTCTGTCTACTCGGTT
CTTGGTTTCTCCTTCCACCTGGCTTTGTCTACCCGACCACCCGGCTTCCTAGGGGAGCCTCACCTATGGG
ACCAGGCTGAGAAGGTCCTACAACAAGCCTTGGAAGAGTTTGGAGAACCCTGGAACCTCAACCCTGGAGA
TGGGGCGTTCTATGGGCCTAAGATTGATGTGCACCTCCATGATGCCCTTGGCCGGCCCCATCAATGCGGA
ACAATCCAGCTTGACTTCCAGCTGCCACTGAGATTTGACCTACAGTACAAGGGGCCGGCGGGGGCCCCCG
AGTGTCCAGTCCTTATTCATCGGGCAGTGCTGGGGTCTGTGGAAAGGCTCTTGGGAGTGCTGGCAGAAAG
CTGTGGGGGGAGATGGCCCCTGTGGCTGTCCCCGTTCCAGGTGGTGGTCATCCCTGTGAGGACAGAGCAA
GAGGACTATGCCAGGCAGGTGCAACAGTGCCTGCAGGCCGCAGGGCTTGTGAGTGACCTCGATGCGGACT
GTGGACTGACCCTCAGCCGGAGAGTCCGCCGGGCCCAGCTTGCCCACTACAATTTTCAGTTTGTGGTTGG
CCAGAGAGAGCAGAGTCAAATGTCAGTGAACGTGCGCACTCGAGATAACCGGCAGCTGGGGGAGCGAGGC
CTGGCTGAGTCAGTGCAGAGGCTGCTGGAGTTACAGGACGCCAGGGTCCCCAACGCAGAAGAACTGTTCT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001014040

Insert Size: 2172 bp

OTI Disclaimer: 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).

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:	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_001014040.1, NP_001014062.1
RefSeq Size:	2400 bp
RefSeq ORF:	2172 bp
Locus ID:	310672
UniProt ID:	Q68FW7
Cytogenetics:	2q34
Gene Summary:	Catalyzes the attachment of threonine to tRNA(Thr) in a two-step reaction: threonine is first activated by ATP to form Thr-AMP and then transferred to the acceptor end of tRNA(Thr). Also edits incorrectly charged tRNA(Thr) via its editing domain.[UniProtKB/Swiss-Prot Function]