

Product datasheet for MC211224

Tars2 (NM_001163619) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tars2 (NM_001163619) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tars2
Synonyms: 2610024N01Rik; AI429208; Tars1; thrRS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211224 representing NM_001163619
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTCTCTGTCTGAGGTGGCGCCGGCTTGGGTTCCCACTCCCAGAGTTCGCGCTGCGAGCTCCACA
 CCGTGCCTGAGGCTCTGCACCACTCCTCCACATTGGTTGCGAAGCATTGGCCTTTTGAGGAGCT
 ATGGACCGCTCAGTGAAAAAGTTAGCAAGTATGACACAGAAGAAAGCCCGGGCTATTAAGATATCACTT
 CCTGAAGGCCAGAAGGTAGATGCTGTTGCATGGAACACAACCCCTTACCAACTGGCCATCAGATCAGTG
 TAACACTGGCTGATACTGCAGTGGCTGCTGAAGTAAATGGAGAACCTTACGATCTGGACCGACCTTGG
 GACAGATTGTCACCTCAGATTTCTGACATTTGATTCCCCAGAGGGCAAAGCGGTGTTCTGGCACTCTAGT
 GCCCATGTTCTGGGGGCTGCGGCTGAGCAACAACCTGGGTGCTGTTCTCTGCCGAGGTCCAAGCACAGAAT
 CGGGCTTTTACCATGACTTCTTCTGGGAAAAGAACGGACAGTCCGCAGCGCAGAGTTGCCATTTTAGA
 GCGGATTTGCCAGGAGCTCATAGCTGCTGCACAGCCTTCCGGAGGCTGGAGGCTTACGGGATCAGCTT
 CGCCAGCTTTCAAGGACAACCACTTTAAGCTTCATCTGATCGAGGAGAAAGTGACAGGCCAACCGCAA
 CAGTGATGGGTGTGGCATGTCAGTTGACCTGTGCCGAGGCCCATCTTCGGCACACTGGACAGATTGG
 AGCACTGAAGCTGCTCACGAACCTCAGCCTTGTGGAGGCTTGGGAGCACCTGAGACACTGCAGAGG
 GTATCAGGAATTTCTTTCCCAAAGTAGAGTTACTGAGGAACTGGGAAGCTCGAAGAGAAGCAGCAGAGT
 TAAGAGACCACAGACGCATTGGGAAGGAACAGGAGCTCTTCTTCCATGAACTGAGCCCTGGGAGCTG
 TTTTTTCTTGCCACGAGGGACAAGAGTCTATAATGCCCTGGTGGCTTTCATCAGGCTGGAAGCAGAGATC
 CAGGGCTGCCTTGTATTTCTCCGGTGTGTTACTCGGTTCTTGGTTTTCTTCCACCTGGCTTTATCTA
 CCCGGCCACCTGGTTTCTAGGGGAGCCTCGCCTATGGGACCAGGCTGAGCAGGTTCTACAGCAAGCCTT
 GGAGAAGTTGGAGAACCTTGGACCTCAACCCTGGAGATGGGGCTTCTATGGGCTAAGGCAAGCTGG
 AGCCACT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_001163619 |
| Insert Size: | 1272 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: | <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: | <u>NM_001163619.1</u> , <u>NP_001157091.1</u> |
| RefSeq Size: | 3322 bp |
| RefSeq ORF: | 1272 bp |
| Locus ID: | 71807 |
| Cytogenetics: | 3 F2.1 |
| 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] |