

Product datasheet for RN206349

Vars2 (NM_213563) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Vars2 (NM_213563) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Vars2
 Synonyms: Vars2l; Varsl
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN206349 representing NM_213563
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCTCATTACCTCTGGCCTCTTCCGGCCACCTCTCTGGGGCTGAGGCCCTCATGGGGTCTCGCCA
 GGCCCGGGCACTTTGTACACAACCGGAGCCCCACGGCTCCCCAGTCTCTCGGAGAACCGTGAAGCCAA
 ACAGAAGCGCCTGCGGGAGAAGCAGCGGCCCTGGAGGCTGGGCTGGCTGAGAAGAGCAAGACACCTGCA
 GTGCCACTAAGGCCTGGAGTCACAAGGAAGTAGTATTGTATGAAATCCCCACCCGGCCAGGTGAAAAGA
 AAGATGTTTCCGGGCCCTGCCTCCTGCTTACAGCCCCAATATGTTGAAGCAGCCTGGTACCAAGTGGT
 GGTGCGAGAGGGCTTCTCAAACCAGAGTATCAGGCAAGGCTGCCCAAGCTACAGGGGAGACCTTTTCC
 ATGTGTATCCACCTCCCAATGTACCGGCTCCCTGCACATTGGCCATGCGCTCACAGTGGCGATACAGG
 ATGCTTTTGTGCGCTGGCACCAGGATGCGTGGGGATCGTGTGCTGTGGATCCCCGGGTGAGTATGCAGG
 AATTGCTACACAGGCTGTGGTGGAGAAACAGCTGTGGAGGGAGCGGAGAGTGGGAGACACGAGCTGAGC
 CGGGAGGACTTCTCAGGGCTGTGTGGCAGTGGAAACAGGAGAAAGGAGGGGAGATCTACGAGCAGCTGT
 GCGCCCTGGGCGCCTCTCTGGACTGGGATCGAGAGTGTTCACCATGGATGCCGGCTCCTCAGCAGCTGT
 GACGGAAGCTTTTGTGCGACTCTATGACCTGGGATTGTTGTACCGGAACCGCCAGCTTGTCAACTGGTCA
 TGTACTCTGAGATCGCCATCTCAGACATTGAGGTAGAAAGCCGGCCCTACCTGGCCGACCGTGTTC
 GGCTGCCCGGCTGCCAATCCCCGTGTCTTTGGGCTCCTGGTTCCATTGCTTTCCCTGTGGATGGAGA
 CCCTGGCACAGAGATTGTGGTGGAAACCACCGCCAGAGACCCTGCCTGGAGATGTGGCTGTGGCCGT
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 TCCCCCTCATCACAGACACCACTGTTACAGCACATGTGGGTACAGGGCGGTGAAGGTGACTCCTGCTCA
 CAGTCCCGCAGACGCTGAGATGGGACCCGGCATGGCTTGACCCCACTGAGTGTGATTGCAGAGGATGGG
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 GCACACTGAGGGAGCGGGCCTGTTCCGGGCCTACAGGAGCACCCATGGTGTGCCATCTGCAGCCG
 TTCCGGGGATGTCGTGGAGTACCTGCTGAAGAGCCAGTGGTTTGTGCGCTGCCAGAAATGGGAGACCGA
 GCTGCCAAGGCTGTGGAGTGGGGGCTCTGGAGCTCTGGCCCTCCTTCCACCAGAAGAGCTGGCAACACT



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GGTTTGCCACATTGGGGACTGGTGTGTCTCCCGCAGCTGTGGTGGGGCCATCAGATCCAGCCTACCG
GGTCGGCGGGGAGAAAGCAGAGGATGACAGGGAGGAATGCTGGGTGGTTGGACGGTCAGAGGCTGAGGCC
AGAGCAGCAGCAGCAAAACAGACAGGAAGACCAGAGGCAGAGCTGACCCCTGGAGAGGGACCCCTGATGTCC
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TGCTCGCTTACCCCTCACACTTCTGAAACGGCAGTGACCTCCTGACGTTCTGGTGGGCCGATG
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CAACAAGCTCTGGAATGCCCTGCGCTTTATCCTCCGTGCCCTGGGGATGATTTGCTGCCCCAGCCCGCA
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CAGGTCCTGTTCTCCTGTGCAGATGTCGGTCTGCGCTCCTCGCCCCGCTGATGCCCTTCTGGCAGAAG
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CAGTGGTCACAGCCTGGTGTGATCGTGGGACAGGAGTCTGGCGCCAGCCAGAGTTGGAGCACTGCTTCTCC
CGAGTCCAAGAGATTGTACAGGCACTGCGGGCGCTTCGAGCCACCTACCAGCTCACAAAGAGCCCGACCC
ATGTGCTGCTACAGAGCTCAGACCCAGGAGAACAAGGCCCTAGTCCAGCCCTTCTGGAACCTCTGGGCGT
CCTGAGCCACTGTGGGGCTGTAGATTCTGCCCCAGGAGCAGCAGCTCCCTCAGGGTGGGCCCTGGCC
CCACTGGGTGACACCATAAAGATCTACATGGAGCTGCAGGGCCTGGTGGACCCCAAGCCAGCTACCTC
GGCTAGCTGCCCGGAGGCAGAAGTTACAGAAGCAGCTTGATGACCTTTGAACCGGACCGTGTCCGATGG
TCCTGCAGAGAGGCAGCAGAGGATTTCTCCCTCCAGCTGGAATTGTCAAAGCTGGACCAGGCAGCCTCT
CACCTACAGCAACTGATGGAGGAGGCTCCAGACGCCAGGGAGCTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_213563

Insert Size:

3198 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_213563.1](#), [NP_998728.1](#)
RefSeq Size:

4099 bp

RefSeq ORF: 3198 bp
Locus ID: 309596
UniProt ID: [Q6MG21](#)
Cytogenetics: 20p12
Gene Summary: may act as a valine-tRNA ligase in protein synthesis [RGD, Feb 2006]