

## Product datasheet for RN208326

### Vars (NM\_053292) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vars (NM_053292) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vars
Synonyms:	Bat6; G7a; TrsVal; Vars2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208326 representing NM_053292 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCCATCTCTACGTCTCTCCACCCCGACGCTTCCCGAGCCTGCGAGCCCTCATCGCTGCCCGCT  
ACGGGGAAGCTGGGGACGGTCCCGGGTGGGGAGGCCCTCACCTCGCATCTGCCTGCAGCCTCCCCGAG  
CAGCCGGACTCCATTCCCCCGCCTCGCCTGCCGCCCTGGAGCAGGGGCTGGCGGCCTGTGGGTGTGG  
GGGGCCCCGGCTGTAGCTCAGCTGCTGTGGCCAGCAGGCCTGGGAGGACCCGGGGCAGCCGGGAGCTG  
TCCTGGTCCAGCAGTGGGTCAAGTATGCCGACACGGAGCTCACACCAGCTGCCTGCGGGGCGACGCTGCC  
TGCTCTAGGACTTCGAGGTCTGGTTCAGGATCCCCAGGCTGCCCTTGGGGCCCTGGGCAAGGCCCTGAAC  
CCCTTGGAGGAATGGCTTCGTCTGCACACCTACCTGGCTGGGGACGCTCCCACTCTGGCTGACTTAGCTG  
CTGTGACAGCCTTACTGCTGCCCTTCCGATACGTTCTGGACCCTTCTGCCCGCCGATCTGGGGTAATGT  
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TCAAGAAAGAAGCAAGAACGGGAGAACTAGAGAAATCCAAACAGAAGCAGAAGACGACGACGACAGCA  
GCCGGCACACGGGGAGAAGAAACCAAAACCAGAGAAGAAGGAGAAGCGAGACCCCGGGTCAATTACCTAT  
GACCTCCCTACCCACCTGGGGAGAAGAAAGACGTAAGTGGCACCATGCCCGACTCCTACAGCCCTCAGT  
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CCACCCTATGGAACCCAGGCTGTGACCATGCTGGCATCGCCACCCAGGTGGTGGTGGAAAAGAACTCTG  
GAAAGAGCGGGTCTGAACCGTCAACAGCTGGGCCGAGGCCTTCTTCAAGGAGTCTGGAAGTGGAAA  
GCGGAGAAGGTTGACAGGATTTACCACCAATTAAGAACTTGGCAGCTCCTTGGACTGGATCGAGCCT  
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CATTTACCGCAGTACCCGCTGGTCAACTGGTCTGCACCCCTCAACTCTGCCATTTCTGACATCGAGGTG  
GATAAGAAAGAGCTGACGGGCCGACCCTGCTCTGTGCTGGTACAAGGAGAAGGTGGAGTTTGGG



TCCTCGTGCCTTTGCCTACAAGGTCCAAGGCTCAGACAGCGACGAGGAGTGGTGGTGGCAACAACCCG  
 GATCGAGACAATGCTGGGGGACGTGGCTGTGGCTGTGCACCCAAAGATCCCAGATACCAGCATTTAAAG  
 GGAAAGAGTGTGCTCCACCCGTTCTTGTCCCGGAGCCTTCCCATTGTCTTTGATGACTTTGTGGACATGG  
 AGTTTGGCACAGGTGCTGTGAAGATCACCCCGCCATGACCAGAATGACTATGAGGTTGGGCAGCGACA  
 TAGGCTGGAGGCCATTAGCATCATGGACTCGAAGGGGGCCCTTGTCAATGCGCTCCACCTTTCTGGGC  
 CTGCCCAGGTTTGAAGCCAGGAAGGCTGTGTGGCGCCCTGAAGGAGCAGGGCCTGTTCCGCGGCATCA  
 AGGACAACCCCATGGTAGTGCCACTATGCAACCGCTCCAAGGATGTGGTGGAGCCTCTGCTAAGGCCACA  
 GTGGTACGTGCGCTGTGGGGAGATGGCTCAGGCCGCCAGTGTGCGGTGACCCGGGAGACCTCCGTATA  
 CTGCTGAGGCCATCAGCGGACGTGGCATTCTTGGATGGACAACATCCGAGACTGGTGCATCTCTCGGC  
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 GGACCCTGATGGGCGTACTGGTAAGCGGACGCACTGAAGCAGAGGCCCGGAGAAGGCAGCACGGGAA  
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 CCTGCTGGAGACGGCCATGATATCCTCTTCTTGGGTGGCGCAATGGTCATGCTTGGCTGAAGCTC  
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 GCAAGTCTCTCGCAATGTCATCGACCCCTGGATGTCATCCATGGAGTTTCTTGCAGGGCCTCCATGA  
 CCAACTACTGAACAGCAACCTGGATCCCAGTGGAGTGGAGAAAGCAAAGAAGGACAGAGGGCCGACTTT  
 CCAGCAGGGATTCCCGAGTGTGGCACTGATGCCCTACGCTTTGGACTCTGTGCCTACACATCCCAAGGTC  
 GAGACATTAACCTGGATGTGAACAGGATCCTGGGTACCGTCACTTCTGCAACAACTCTGGATGCCAC  
 CAAGTTTGCTTTGCGCGCCCTTGGGAAGGGCTTGTACCTCACCAACCTCCAAGCCGGAAGGGCACGAG  
 AGCCTGGTGGACCGTGGATCCGCAGCCGGCTGGCGGAGCCGTGAGGCTCAGCAATGAAGGCTCCAGG  
 CTTATGATTTCCAGCCGTCACCACTGCCAGTACAGCTTTTGGCTCTATGAGCTCTGTGATGTCTACTT  
 GGAGTGCCTAAAACCCGTTCTGAACGGAGTGGACCAGTGCAGCAGACTGTGCTCGGCAACCCCTTAC  
 ACCTGCCTGGATGTCGGCCTGCGGCTGCTCTCACCTTCATGCCCTTTGTACAGAGGAGCTATTCCAGA  
 GGCTGCCTCGGGGACACCAACGCTCCTGCTAGCCTCTGTGTCACCCCTACCCAGAGCCCTCAGAGTG  
 CTCCTGGAAGGACCCTGAAGCCGAAGTCTCTTGGAGTACGCTGAGCATCACTAGAGCTGTGCGCTCC  
 CTGCGTGCAGACTACAACCTGACCCGGACAGGCCGACTGTTTCTTGGAAAGTAGCTGATGAGGCTACGG  
 GTGCCCTTGGCCTCGGCAGTGTGGCCTACGTGCAGACTCTGGCCAGTGGGGTGTGGTGGCCGCTCTGGC  
 CCTGGGTGCTCCCGCACACAGGGCTGCGCTGTGGCTGTGGCCTCAGACCCTGCTCCATCCACCTGCAG  
 CTGCAGGGGCTCGTGGACCCAGCCGGGAGCTGGCAAGCTGCAGGCCAAGCGGAGTGGGCACAGCGAC  
 AGGCTCAGCGGCTGCAGGAGCCGCTGCTGCCTCTGGCTACTCAGCAAAGGTGCCCTTGGAGTCCAGGA  
 GGCCGACGAAGTGAAGTTACAACAGACAGAGCCGAGCTCAGGAAGTGGATGAGCCATCGCCCTGTT  
 CAGAAGATGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_053292
- Insert Size:** 3795 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\\_053292.1](#), [NP\\_445744.1](#)

**RefSeq Size:** 3980 bp

**RefSeq ORF:** 3795 bp

**Locus ID:** 25009

**UniProt ID:** [Q04462](#)

**Cytogenetics:** 20p12

**Gene Summary:** catalyze the aminoacylation of tRNA by valine [RGD, Feb 2006]