

## Product datasheet for **RR211424**

### Vta1 (NM\_001025640) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vta1 (NM_001025640) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vta1
Synonyms:	Lip5; RGD1305031
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211424 representing NM_001025640 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAAGCGAGATCCTGTGGTGGCCTACTACTCTTAAGAAACAGTTGGGGGATAATGAAGCTGTTACTC  
AAGAAATCGTTGGTTGTGCCATTTGGAAAATTATGCTTTGAAAATGTTCTGTACGCGGACAACGAAGA  
CCGAGCTGGACGATTTACAAAAACATGATCAAGTCCTTCTACTGCCAGCCTTTTAATAGATGTCATC  
ACAGTGTTTGGCGAGCTCACAGATGAAAATGTGAAACATAGAAAGTACGCAAGGTGGAAGCAACATATA  
TTCATAACTGCTTAAAGAATGGGGAGACTCCTCAAGCAGGCCCTGTTGGAATAGAGGAAGATAACGATGT  
TGAGGAAAATGAAGATGTTGGTGAACCTCTCTGCCCACTCAGCCACCTCAGCCATCATCATCTCAACG  
TACGACCCAAGCAACTTGGCAGCAGGCAGCTACAGTGGGATACAGATCCCTCCGGGTGCACATGCTCCAG  
CCAATACCCCTGCAGAAGTGCCGCACAGCACAGGTGTAACAAGTAATGCTGTCCAGCCTAGTCCACAGAC  
TGTCCAGCCATCCCGCCATTGATCCTGACCTGTACACAGCTTCCAGGGGGATGTCGCTGACCCCA  
GAGGACTTTGCTCGGGCTCAGAAGTACTGCAAGTACGCTGGCAGTGCCCTGCAGTATGAAGACGTGAGCA  
CCGCGGTGCAGAACCTGCAGAAGGCCCTCAGGCTGCTGACAACGGGCAGGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211424 representing NM\_001025640  
 Red=Cloning site Green=Tags(s)

MTSEILWWPTTLKKQLGDNEAVTQEIVGCAHLENYALKMFLYADNEDRAGRHFHKNMIKSFYTASLLIDVI  
 TVFGELTDENVKHKRYARWKATYIHNCLKNGETPQAGPVGIEEDNDVEENEDVGATSLPTQPPQSSSST  
 YDPSNLAAGSYSGIQIPPGAHPANTPAEVPHSTGVTSSNAVQSPQTPVAIPAIDPDLYTASQGDVRLTP  
 EDFARAQKYCKYAGSALQYEDVSTAVQNLQKALRLLTTGRE

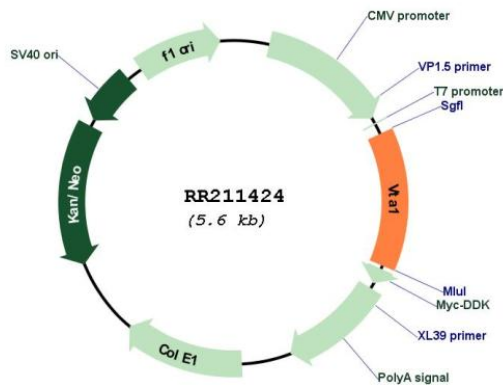
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001025640  
**ORF Size:** 753 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001025640.1</a> , <a href="#">NP_001020811.1</a>
<b>RefSeq Size:</b>	1201 bp
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	292640
<b>Cytogenetics:</b>	1p13
<b>MW:</b>	27.4 kDa