

## Product datasheet for **RR216205**

### Use1 (NM\_001169100) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Use1 (NM\_001169100) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Use1  
Synonyms: RGD1306660  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216205 representing NM\_001169100  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGCAGGCGGAAGGGCCTGTCACCGTCCGCTGGCGACGTCGCGGCTGGAGTTGAACCTGGTGCGGC  
TGCTTTGTCGCTGTGAGTCGATGGCGGCCGAAAAACGAGAACCGGACGAGTGGCGTCTGGAGAAGTATGT  
GGGTGCCCTGGAAGACATGCTGCAGGCCCTGAAAGTCCAAGCAAGTAAACCGGCCTCGGAAGTGATCAGT  
GAGTACTCCCGCAAAGTGGACTTTCTGAAGGGCATGCTGCAGGCTGAGAAGTTGACCTCCTCCTCTGAAA  
AGGCTCTAGTAACCAAGTTCCTGGCTCCTGGCCGCGTGCCACCACAGCCAAGGAGCGGGTGCCTGCCAC  
CAAGACTGTACATTTGCAGTCTAGAGCACGTTACACCAAGTGAAGTGCAGGAGTGAAGTGGTGGGCACGGAG  
TCCTCTGGAGAGCTGGAGGCAGACATGAGGAAGCGAGTTGTGAAGGGCCTAGACCTGCAGATGAGAAGC  
AGTCAGCGTCCGAGCTAGACCTCGTCTCCAGAGGCACCAGGGCCTCCAGGAAAAGCTGGCTGAGGAGAT  
GCTAGGCTTGGCCCGCAGCCTGAAGACCAACACACTGGCTGCCAGAGTGCATCAAGAAGGACAACCAG  
ACCCTGTCACATTCGCTCAAGATGGCAGACCAGAACCTGGAGAAGCTGAAGCTGGAGTCAAGAGCGGCTGG  
AGCAGCACGCACAGAAGTCGGTGAAGTGGCTGCTGGGCCATGCTCATCGTGTGCTTCGTGTTTCAT  
CAGCATGATCCTGTTTCATACGCATCATGCCAGACTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216205 representing NM\_001169100  
Red=Cloning site Green=Tags(s)

MAQAEGACHRPLATSRLLELNLVRLLCRCESMAAEKREPDEWRLEKYVGALEDMLQALKVQASKPASEVIS  
 EYSRKVDFLKGMLQAEKLTSSSEKALANQFLAPGRVPTTAKERVPATKTVHLQSRARYTSEMRSELLGTE  
 SSGELEADMRKRIVYKGRPADEKQSASELDLVLQRHQGLQEKLAEEMGLARSLKTNTLAAQSVIKKDNQ  
 TLSHSLKMAHQNLEKLEKLESERLEQHAQKSVNWLLWAMLIVVCFVVISMILFIRIMPRLK

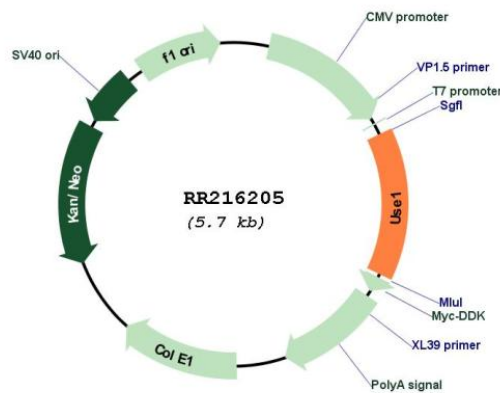
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001169100  
**ORF Size:** 810 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_001169100.1</a> , <a href="#">NP_001162571.1</a>
<b>RefSeq Size:</b>	863 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	290627
<b>Cytogenetics:</b>	16p14
<b>MW:</b>	30.5 kDa