

## Product datasheet for **RR209523**

### Trim14 (NM\_001107934) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trim14 (NM\_001107934) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Trim14  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209523 representing NM\_001107934  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGAGCGGGACTGCCGAGGTGCGGGCGCCCGTTCAGTCTGACTGGACGGGTGGCTGGCGCTGTCCGG  
AGCACAGCGAACGCCCGCTGAGCTCTTCTGTCGTCGCTGCAGCCGTTGTGTGTCGCTGCCCGT  
TCTGGGAGCGCACCGCGCCACCCGGTGGCCTGGCCGAGGAGGCTGCGCGCGCAGGTTTCTGCA  
GACTCAAGTAAAGCCTGGCTAACACAGAAATTCACAGAATCAGATTACTCCTTGATGAAGAGGAAGCAC  
TGGCCAAAAGCTTCATCGATAAAAAACACAGCTCACCCCTCCAGGTGTACCAGGAGCAAGCCGAGTCTTG  
CAGGAAGCAAATTGAGGTCATGAGTGACTTCTCTATCAGGGTGTGGGACATCAGCCAGGTGTCCAACCT  
GTTGAGCTGCTGCAGGCATATATAGCCACCAAGGCAGAGATGGGACAGCAGATGAGCCCTCGGAGCTGA  
GCCACCTGTGCCCTGTCTTCGAGCCTGTCAAGAACTCTTTAAGGAGTTTGTGAAGCCATCAGGAA  
CACGTTACAGACCAATGGACTCGCCTGAAGGAAAACGCGGCACGCCAACGCTGGACCCGGACAG  
ATGCACGCGCCCTGCGCCTGTCGACCGACGGGCTGACTGTACGCTGCTCGCTGCTGGGCCGCTGGGG  
CGCGTCCCGCTCCGCGATTGACTCGCTGCGTCAGGTGCTGGGCCGCGACGGCTTCGAGCGGGACGCCA  
CTACTGGGAGGTGGACGTGCAGGAGGCAGGCGTGGGCTGGTGGGTGGGCGCGGCCACCCGTCGCTCGCG  
CGCCGCGGAACCTCCACGGCTGCCCGCCTAGGCTGCAACCGCGAGTCTGTTGCTGAAGCGTTACGACA  
TGGAGTACTGGGCCTTCCACGACTGCCAGCGAAGCCGTCTGCGGCTCCGCCGCGACCCCTACCCGGCTCGG  
CGTCTTCTGGACTACGAGGCGGCATTCTGACCTTCTACGACGTGGCGGGTGGCATGAGCCACTTGCAT  
ACCTTCTATGCTGTCTTCAGGAGCCGCTCTACCCAGCCCTGCGCCTCTGGGAGGGGACTATCAGCATTC  
CCCGTTACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209523 representing NM\_001107934  
 Red=Cloning site Green=Tags(s)

MASGTAEVRAVPVQSDWTGGWRCPEHSERPAELFCRRCSRCVCALCPVLGAHRGHPVGLAEEEEARAQVSA  
 DSSKAWLTQKFTLRLLLDEEEALAKSFIDKNTQLTLQVYQEQAESCRKQIEVMSDFSIRVWDISQVSNP  
 VQLLQAYIATKAEMGQQMSPSEL SHPVPLSFEPVKNFFKEFVEAIRNTLQTPMDTRLKENARTPTLDPDT  
 MHARLRLSTDGLTVRCSLLGRLGPRPAPRFDSL RQVLGRDGF AAGRHYWEVDVQEAGVGVVWVGAAYPSLR  
 RRGSTAAARLGCNRESWCVKRYDMEYAFHDCQRSRLRLRRDPHRLGVFLDYEAGILTFYDYVAGGMSHLH  
 TFYAVFQEPLYPALRLWEGTISIPRLP

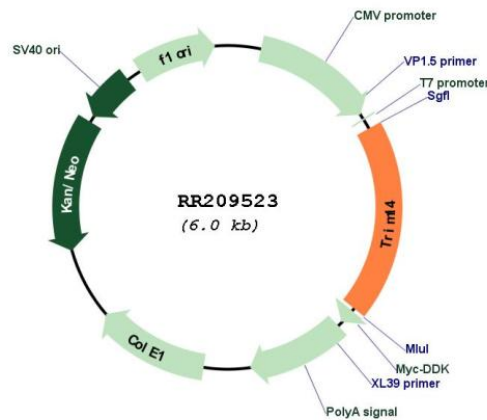
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001107934

<b>ORF Size:</b>	1131 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_001107934.1</a> , <a href="#">NP_001101404.1</a>
<b>RefSeq Size:</b>	3449 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	313236
<b>Cytogenetics:</b>	5q22
<b>MW:</b>	42.8 kDa