

## Product datasheet for **RR212751**

### Tcerg1 (NM\_001107390) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tcerg1 (NM\_001107390) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tcerg1  
**Synonyms:** Ca150  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212751 representing NM\_001107390  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGAGCGTGGCGGGGACGGAGGGGAAGGCGAGCGCTTCAACCCGGGGGAGCTGAGGATGGCTCAAC  
AGCAGGCCCTTGGATTCCGAGGCCAGCTCCCCACCAATGCAGTGATGCGCGGCCACCACCTTAT  
GAGACCACCTCCTCTTTCGGCATGATGAGAGGCCCTCCTCCACCACCCAGGCCCCCTTTGGACGCGCT  
CCTTTTGATCCTAATATGCCACCAATGCCTCCCCAGGAGGAATACCTCCACCCATGGGCCACCCACACC  
TCCAGAGACCACCATTCATGCCTCCACCATGGGAGCTATGCCTCCTCCTCCGGGCATGATGTTCCACC  
AGGAATGCCTCCGGGGACTGCTCCTGGTGTCCAGCACTGCCCCCACTGAGGAGATATGGGTAGAAAAAT  
AAGACTCCAGATGGGAAGGTTTATTACTATAATGCTCGGACTCGTGAATCTGCATGGACCAAGCCAGATG  
GAGTTAAGGTTATTCAGCAGTCAGAATAACACCTATGCTTGCAGCTCAAGCACAGGTCCAGGCTCAGGC  
CCAGGCCCAGGCTCAGGCTCAGGCACAGGCACAGGCTCAGGCCCAGGCCCAGGCCCAGGCCCAGGCTCAG  
GCAGCCCAGGCTCAGGCCAAGCGCAAGCACAAGCTCAGGCCCAGGCTCAGGCCCAGGCCCAGGCTCAGG  
TCCAAGCACAAGCAGTAGGCGCTCCACCCTACCACCAGTAGCCACAGCAGCTGCAGTGTCCACGTCAGC  
ACCAACATCTACCCGTCCTCCACCACAGCTACCACAACAAGTCTACTTCAAGTTGCACAGACAGTATCA  
ACACCCACAACAAGACCAGACCCCAAGTTCTGCTGTTTCAGTTGCCACGCCTACAGTTAGTGTTCAG  
CTCCTGCTCCTACAGCCACACCTGTGCAAAGTGTACCCAGCCGACCCACAGACGTTACCTCCTGCTGT  
TCCTCACTCAGTCCCTCAGCCGGCAGCAGCAATACCTGCTTCCACCAGTAATGGTGCCTCCGTTCCGT  
GTGCCCTTCTGGCATGCCAATCCACTTCCAGGTGTAGCAATGATGCAAATAGTCAGCTGCCCGTATG  
TAAAGACAGTCGCTACCACCAAGACCGGTGATTACCAGGAATGGCCCTCCTATAGTACCCATGATACA  
TCCCCAGGTTGCTATTGCAGCTTCACTGCTACCTTAGCTGGAGCCACCGCAGTTTCTGAGTGGACTGAA  
TATAAAACAGCAGATGGGAAGACGTAATAATAATAAGAACAATGAACACTTGAATCAACGTGGGAAAAGCCCC  
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ATTGCCAATGGAGACAGAGGAGGAAGATCCTAAGGAAGAACCTATAAAGGAGATAAAGGAGGAACCCAAA  
GAAGAAGAGATGACTGAAGAAGAAAAGGCTGCCAGAAGGCAAAGCCAGTAGCTACTACTCTATTCTCTG



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GTACTCCATGGTGTGTTGTTGGACTGGCGATGAGAGGGTCTTCTTTTACAATCCCACCACTCGTCTTTC  
TATGTGGGACCGACTGATGATTTAATTGGAAGGCAGATGTTGACAAAATTATTCAAGAGCCCCCTCAT  
AAAAAAGGATTAGAAGACATGAAGAACTAAGGCACCCGGCTCCGACAATGCTGTCCATCCAAAAGTGCC  
AGTTCTCGATGAGTGAATTAAGAAGAACAAGAATTAATGGAAGAAATGAATGAAGATGAGCCTATTAA  
AGCAAAAAGCGGAAGAGAGATGATAATAAGACATTGATTTCAGAGAAAAGCTGCCATGGAAGCTGAA  
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TAGAGAGAGGGGTGTGAGCTTTTTCAACATGGGAGAAGGAGTTGCACAAGATAGTGTGGACCTCGGTA  
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CGCAGGAAAAAGAAAAACAAAATAATGCAAGCCAAGGAAGATTTCAAAAAATGATGGAAGAAGCAAAGT  
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TCGAAGACGAGAGGTGAGAAGATTAATCAGATTTCTTGAAGTGTATCTAATCATCACTTGGACAGTC  
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CTGAGCAAATAAAGAAATTTGATCGAGAGAGAGAGCAGCAAAACGAGAAGAAGCTATCCAGAATTTCAA  
GGCTCTTCTGTCTGACATGGTACGTTCTTCAGATGTGTCCTGGTCTGATACTAGGAGGACCTCCGGAAG  
GACCACGTTGGGAGTCTGGTTCCTTATTGAAAGAGAGGAGAAAAGAAAAGTCTTTAATGAACATATTG  
AAGCGTTACAAAAAGAAAAGGGAGCACTTTAGGCAGCTTCTGGATGAGACTTCCGCGATTACCTTAAC  
ATCCACGTGGAAGAAGTGAAGAAAATAATTAAGGAAGATCCTCGCTGCATTAAGTTCTCCTCCAGTGAC  
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CACTTTTGAAGAGACCAAATTCATTACGTACAGATCCAAAAGCTAATCCAAGAATCTGATCAGCACCT  
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AGGAAACTCATCTGGCATATGTTGATGACCTGGATCGCCGAGGTCCACCTCCACCTCCCACAGCATCAG  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212751 representing NM\_001107390  
Red=Cloning site Green=Tags(s)

MAERGGDGGEGERFNPGLRMAQQALRFRGPAPPNVAVMRGPPLMRPPPPFGMMRPPPPRPPFGRP  
PFDPNMPPMPGGIPPPMGPPHLQRPPFMPMPGAMPPPPGMMFPPGMPPGTAPGAPALPPTTEIWWEN  
KTPDGKVVYYNARTRESAWTKPDGVKVIQQSELTPMLAAQAQVQAQAQAQAQAQAQAQAQAQAQAQAQA  
AAQA  
TPTTQDQTPSSAVSVATPTVSVSAPAPTATPVQTVQPHPQTLPPAVPHSVQPAAAIPAFPPVMVPPFR  
VPLPGMPIPLPGVAMMQIVSCPYYKTVATTKTGVLPGMAPPVPMIHPQVAIAASPATLAGATAVSEWTE  
YKTADGKTYYYNRTLESTWEKPQELKEKEKLDEKIKEPKEASEEPLMETEEEDPKKEPIKEIKEEPK  
EEEMTEEEKAAQKAKPVATTPIPGTPWCVVWTDGDERVFFYNPTTRL SMWDRPDDLIGRADVDKIIQEPH  
KKGLEDMKLRHPAPTMLSIQKWQFSMSAIKEEQELMEEMNEDEPIKAKKRKRDDNKDIDSEKEAAMEAE  
IKAARERAIVPLEARMKQFKDMLLERGVSAFSTWEKELHKIVFDPRYLLLNPKERKQVFDQYVKTREEE  
RREKKNKIMQAKEDFKKMMEAKFNPRATFSEFAAKHAKDSRFKAIKMKDREALFNEFVAARKKEKED  
SKTRGEKIKSDFELL SNHHLDSQSRWSKVKDKVESDPYKAVDSSSMREDL FKQYIEKIAKNLDSEKEK  
ELERQARIEASLREREREVQKARSEQTKEDREREQHKREEAIQNFKALLSDMVRSSDVSWSDTRRTLK  
DHRWESGSLLEREEKEKLFNEHIEALTKKREHFRQLLDETSAILTSTWKEVKKI IKEDPRCIFSSSD  
RKKQREFEYIIRDKYITAKADFRTLLKETKFIYRSKLLIQESDQHLKDVEKILQNDKRYLVLDVPEER  
RKLIVAYVDDLDRRGPPTTASEPTRRSTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

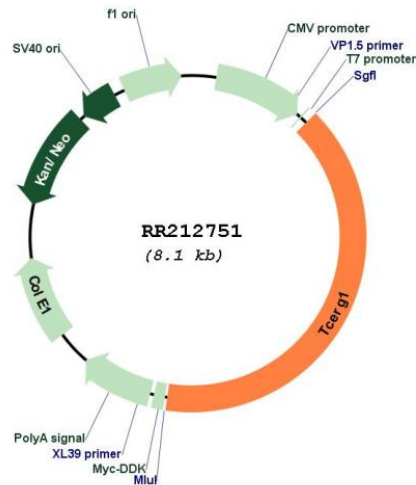
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001107390

ORF Size: 3243 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: 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>	<u>NM_001107390.2, NP_001100860.2</u>
<b>RefSeq Size:</b>	4366 bp
<b>RefSeq ORF:</b>	3246 bp
<b>Locus ID:</b>	307474
<b>Cytogenetics:</b>	18p11
<b>MW:</b>	121.9 kDa