

## Product datasheet for **RR212349**

### Tec (NM\_053432) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tec (NM_053432) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tec
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR212349 representing NM\_053432  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAATTTTAACACTATCCTAGAAAGAGATTCTTATTAAGGTCGCCAGCAGAAAAAGAAGACATCACCCCT  
 TAAACTACAAAGAGAGACTTTTTGTACTTACAAAATCCGTGTTAACCTACTATGAGGGTCGAGCGGAGAA  
 AAAATACAGAAAGGGATTCAATTGATATTTCAAAAATCAAGTGTGTGGAGATAGTGAAGAACGACGATGGG  
 ATCATTCCCTGTCAAATAAATTTCCATTCCAGGTTGTTACGATGCTAACACACTTTATATTTTTGCAC  
 CTAGTCCACAAAGCAGGGACCGTGGGTGAAGAAGTTAAAAGAAGAGATAAAGAACAACAATAATATCAT  
 GATTAATATCATCCTAAATTTGGGCTGACGGAAGTTACCAGTGTGTAGACAAACGAAAAACTGGCG  
 CCTGGATGTGAAAAGTACAATCTTTTTGAGAGTAGATAAGAAAGACCCTGCCTCCTGCACCGAAATAA  
 AGAGAAGGCTCCTCCACCAATCCCTCCAGAGGAAGAAAATACTGAAGAAATAGTTGTAGCGATGTATGA  
 CTTCCAAGCAACAGAAGCACATGACCTCAGGTTAGAGAGAGGCCAAGAGTATATCATCCTCGAAAAGAAT  
 GACACCCATTGGTGGAGAGCAAGAGATAAGTATGGGAGTGAAGGATATATCCCAAGTAATTATGTACAG  
 GAAAGAAGTCCAACAACCTTAGATCAATATGAGTGGTATTGCCGAAACACCAACAGAAAGCAAGCAGAGCA  
 GCTCCTCCGGACAGAAGACAAGGAAGGGGTTTTATGGTGGAGAGACTCCAGTCAACCAGGCTTGTACACA  
 GTCTCCCTTTACACAAAGTTCGGGGGAGAAGGCTCATCAGGCTTCCAGGCATTATCACATAAAGGAAACAG  
 CAACATCCCCAAAGAAGTATTACCTGGCAGAAAAGCATGCTTTTGGGTCATTCTGAGATCATTGAGTA  
 TCACAAGCACAAACGACGAGGACTTGTACCAGGCTGAGTACCCGGTTAGTACAAAGGGGAAGAACCGG  
 CCCACTACTGCTGGCTTCAGCTATGATAAGTGGGAGATTAACCCCTCAGAGCTGACCTTTATGAGGGAGT  
 TGGGAGTGGACTCTTTGGAGTGGTGGGCTTGGCAAGTGGCGGGCCAGTACAAAGTAGCCATCAAAAGC  
 TATCCGGGAAGGCGCCATGTGTGAAGAGGATTTTCATAGAGGAAGCTAAAGTCATGATGAAGCTGACACAC  
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 GTGCCAGGATGTGTGAAGGGATGGAGTACCTGGAGAGAAACAGCTTCCACAGAGACTTGGCTGCT  
 AGAAATTTGCTAGTGAATGAAGCAGGAGTTGTCAAAGTATCTGATTTCCGAATGGCCAGGTACGCTCTGG  
 ACGATCAGTACACAAGTCTCTGGTGCCAAGTCCCTGTGAAGTGGTGTCCCCAGAAGTGTAAATTA  
 CAGCCGCTTAGCAGCAAGTACAGCTCTGGTTCATTCGGTGTGCTAATGTGGGAGATATTCACAGAAGGC  
 AGGATGCCCTTTGAGAAGAACCAATTACGAAGTGGTAAACCATGTTACTCGAGGTCACCGACTCCCC  
 GGCCAAAGTTGGCTTCCAAATATTTGTATGAGGTGATGCTGAGGTGCTGGCAAGAGAGACCAGAGGGGAA  
 GCCTTCGTTTGAAGACTTGTACGTACGATAGATGAAGTGTGCAATGCGAAGAAACTTTTGAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212349 representing NM\_053432  
 Red=Cloning site Green=Tags(s)

MNFNTILEEILIKRSQKKKTSPLNYKERLFVLTksvLTYEgRAEKkYRkGFIDISKIKCveIVkNDdG  
 IIPcQnkFpFqVvhdantLYIFaPSPqSRDRwVkkLKEEIKNNNNIMIKYHPkFWADGSYqCCRqTEkLA  
 PGCEkYNLFESSIRkTLPpApeIKRRppPIpPEEentEEIVvAMYDFqATEAhDLRLERqEYIIIEkN  
 DTHwWRARDkYgSEgYIPsNYVTGkKSNnLDQYEWYCRNTnRSkAEQLLrTEDkEGGFmVrDSSqPGLYt  
 VSLYtKfGGEGSSgFRHYhIKETATSPkYYLAEKHAFgSIPEIIIEYHKHNAAGLVTRLRYpVSTkGkNA  
 PTTAGfSYDKWEINpSELTFMRELgSGLFGVVRLGkWRaYkVAIKAIReGAMCEEDfIEEAKvMMkLTH  
 PKLVQLYGVCTQqKPIYIVTEfMERgCLLNfLRQRGHfSRDVLlSMCQDVCEgMEYlERNsfIHRDLAA  
 RNCLVNEAGvVKVSDfGMARyVLDdQYtSSsGAKfPVkWCpPEVFNYSrFSSKSDVWSfGLVMWEIfTEG  
 RMPfEKNTNYEVVTMvTRGHRLPRPKLASKYLyEVMLRCwQERPEGRPSfEDLLRTIDELVECEtFGR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

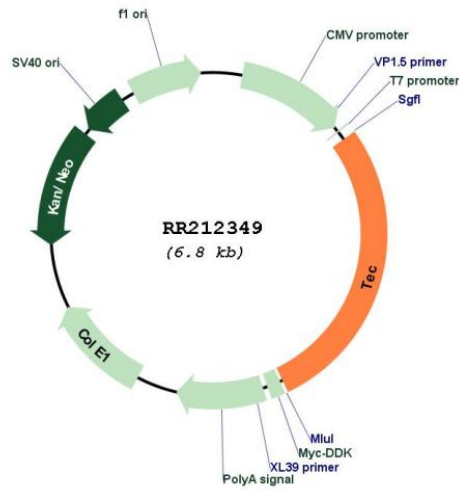
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_053432

ORF Size: 1887 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_053432.1</a> , <a href="#">NP_445884.1</a>
<b>RefSeq Size:</b>	2646 bp
<b>RefSeq ORF:</b>	1890 bp
<b>Locus ID:</b>	84492
<b>Cytogenetics:</b>	14p11
<b>MW:</b>	73.3 kDa
<b>Gene Summary:</b>	protein-tyrosine kinase; may play a role in early response phase of liver regeneration [RGD, Feb 2006]