

## Product datasheet for **RR214244**

### Ttc3 (NM\_001108315) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ttc3 (NM\_001108315) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ttc3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214244 representing NM\_001108315  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGCCTGGGCATCGGGCGCTCCACACCTCCCTCCGTGGGTGTGTGGACTGTGCAGCATGGATGACTTTG  
 CTGAGGGAGGTCTCAGTTTGGCAGATGATATCTTACTGGAAGATTACCCTTATGAGGATGACTGTATCTG  
 TACTCCTGACTTTACCCTGATGATTATGTTCGAGTAACCCAGCTTTACTATGAAGCGTGGGTATGCAA  
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 TGTCATCCTGCAAGATTACTGTGATGCCATTAAGCTGTACATCTTCTGGCCACTTCTTTCAACATCA  
 GCACAGTCTATAATATCAAGATTGCACCCCTGTGTAGAAGCCATCCGTTCTCGTCTGCTGAGATAAGT  
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GGACTTGCTGTTTCTCTCCTTGAATAGGACGACCTGAGGAAGTGTCTGAAGCCGAAAACAGTTTAAAGA  
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 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214244 representing NM\_001108315  
 Red=Cloning site Green=Tags(s)

MPGHRGAPHLPPWVCGLCMSDDFAEGLSLADDILLEDPYEDDICTPDFTTDDYVVRVTQLYYEGVGMQ  
 YKDYAQSEKNLEYDICIWIWCSKPLSILQDYCDIAIKLYIFWPLLFQHQHSSISRLHPCVEAIRSRAAEIS  
 LKKLQHLELMEDIVDLAKKVANDSFLIEGLLKIGYKIENKILAMEDALNWIKYTGDTVILPKLGSVDSGW  
 PMLSIFFFEYKYHITRVVTENCNLEEFRRRHSCMQCVKQELMKMRGNEEFAKEKFEIAVIYYTRAIEYR  
 PENHLLYGNRALCFLRMGQFRNALSDGKRAIVLKNTPKGYRYCDALSMLGEYDVALQANIKAKQLCKN  
 DPEGIKDLIQQHIKQKQIEDLQGRTSNRNPIKAFYESRAYIPRNSAPAFRTSLNLFVETERGFRKTKYR  
 MANGGGHQKQVVADEALKGDDCCHPEFLPPPSQPPRHKGKQKSRNNESEKPSNSQVTLQVDLKSILEK  
 QFSKSSRAAHQDFANIMKMLRSLIQDGYTALLEQRCSAAQAFTELLNGLDPQIKQLNLAMINYVLVYV  
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 QYCKVEFHMCWKKLKTTFNDKIDKDFLQGICLTPDCEGIISKIIFSSGGQVKCEFEHKVVKEKAPSR  
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 LQCIKQADKIKSVVLTSTLLKELLKSWKVLSTEDYTTCSKNFVHEAVDYVIGHLIQEKNRVKTRIFL  
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 CEPASVMEARCLIWLLLEHRDKFPALHSALDEFDIMSRTVLRKQDSDEMPFGCIKVKNGKKKKPKD  
 SKPMLVSGTASVTPSSETVTPEDHNRNNSDSAGPFAVPDHLRQDVEEFEALYDQHSSEYVVRNKKLWDI  
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 EDLKPQLDSDSSGSASEDSRLEVVPDLPTLCEASPSPTAPEDAKPTYWTQSHLVTGFCTYLPFQG  
 FGIASRPAYINMVPSLSQFTSIYTPLANISSEYPMRSMPPVPSFVASERADGNAAAYFESHRLNTENA  
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 IQVSRSLIHQEVNTEPYAPFERQQGDLQKKEKCHLLREQLQVACECEQEMELRSSQETRDLEEKLRHA  
 EENKISKTELDWFLQDLREIKKWHQEKKEIQERLKKKKIKKVINSDMSAQKNDGLDKECESQPDQS  
 LGISSALTDEKAKVEESVRKGKELYEESQQRVAEVSLENWKEVCKLQGVATQAEACLKSLKLMNS  
 DSAAYPDVECDILSWETFLSTVTEEIENTKCFEEQIKAIKSGSRLSDLSSVQVSELLFPACSMIHPQLL  
 SESSRHEDHGLVACVDSMTGAVLNDPYVGPDSGCSEVPELVLGSPTHHPEGAQQLVKKASQVSPSEQN  
 PEADEKPSGQATRSSSQKPNPNSIEHLSVIFPCYASSELSGFIKKVRNKSKNFSGLSIEEIVERVTE  
 HIVEEQKKKPNPGDKKTSEAHPAASVSKSSPPLAAAGPSAKTKGQKDDVPAPDGNSCQICHEIFK  
 SKNMRVLKCGHKFHKGCFKQWLKQSTCPTCGSSDLLSEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<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>	<u>NM_001108315.1, NP_001101785.1</u>
<b>RefSeq Size:</b>	7364 bp
<b>RefSeq ORF:</b>	6003 bp
<b>Locus ID:</b>	360702
<b>Cytogenetics:</b>	11q11
<b>MW:</b>	225.9 kDa