

## Product datasheet for **RR210492**

### **Tbc1d7 (NM\_001108411) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tbc1d7 (NM\_001108411) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tbc1d7  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR210492 representing NM\_001108411  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTGACGACTCTCAGAGAACTCCGTTCACTACTACGAGAAAGTTGGCTTTCGTGGAGTTGAAG  
AGAAGAAATCACTGAAATCCTCCTGAAAGATGACCGTTGGACATTGAGAAGCTTTCACATTCAGCCA  
GAGGTTCCCTCTCCCATCCATGTACCGTGTGTTGGTGTGGAAGGTAAGTACTGCTAGGCATCTTGCTCCACAC  
CATGACTCTCATGCCAGGTGATGGCCTATCGCAAAGACCAGTACAGTGACGTCCTCCATGCCCTGACAG  
TAGTCCGTTTCATCAGTGACGCCACGCCAGGGCGAGGTGTATCTCCGCATGTATCAGCTTGAGTCGGG  
GAAGTTGCCTCGAAGTCCTTCTTCCCTCTGGAAGTGGAGGATGAAGTCTTTCGCCATTGCTAAAGCC  
ATGGAAGAGATGGTGAAGACAGCGTGGACTGTTACTGGATCACCCGATGCTTCGTGAAGCAGTTCAATA  
ACAAGTACCGGGACGCTTACCTCAGCTGCCAAAGCTTTCGAACAGTACTTGAATCTGGAAGACAGTAG  
GCTGCTGAGTCATCTGAAGACGTGTTCTGCGGTGTCCAACTTCCTTATGACCTCTGGTTCAAAGGTGC  
TTCGCGGGATGCCTACCCGAGTCCAGTTTACAGAGGGTCTGGGATAAAGTCGTAAGTGGATCCTGTAAGA  
TCCTGGTTTTTGTAGCCGTAGAAATATTATTAACCTTTAAAATAAAGGTCATGGCGTTGAACAGTGCAGA  
GAAGATAACAAAGTTCTGGAAAACATTCTCAGGACAGCTCAGATGCCATCGTGAGCAAGGCCATCGAC  
TTGTGGCACAAACTGTGGGACCCAGTCCATTCAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210492 representing NM\_001108411  
 Red=Cloning site Green=Tags(s)

MTDDSQRNFRSVYYEKVGFGRGVEEKKSLIILLKDDRLDIEKLCTFSQRFPLPSMYRVLVWKVLLGILPPH  
 HDSHAQVMAYRKDQYSDVLHALTVVRFISDATPQGEVYLRMYQLESGKLRPSQSFPLELEDEVFLAIKA  
 MEEMVEDSVDCYWITRCFVKQFNKYRDALPQLPKAFEQYLNLEDSRLLSHLKTCSAVSKLPYDLWFKRC  
 FAGCLPESSLQRVWDKVVSGSCKILVFVAVEILLTFKIKVMALNSAEKITKFLENIPQDSSDAIVSKAID  
 LWHKHCCTPVHSA

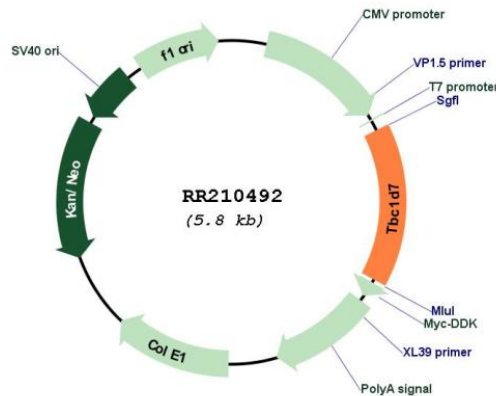
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108411

<b>ORF Size:</b>	879 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_001108411.1</a> , <a href="#">NP_001101881.1</a>
<b>RefSeq Size:</b>	1366 bp
<b>RefSeq ORF:</b>	882 bp
<b>Locus ID:</b>	361227
<b>Cytogenetics:</b>	17p12
<b>MW:</b>	33.8 kDa