

## Product datasheet for **RR209457**

### **Tbc1d5 (NM\_001134762) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d5 (NM_001134762) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbc1d5
Synonyms:	RGD1561626
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR209457 representing NM\_001134762  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTATAAGTCTGTGTCTGAAACTAGACATCCTCTGCAGTCAGAAGAACAAGAAGTAGGCATTGACCCCT  
 TGTTCAAGTATTCAAACAAGCCAAGAGGAGATTCTGTCAAATGGAAGAGGAGCAAATTCACACTTAGA  
 CTGCGACGGGACTTTTCAGTTCATATATGAGAGAGTGGGACGACCTCTTTGTAAATAACAACACTCTGGCA  
 GCAGTGAGGCAGAAGGGGATTAATGGGCAGCTGAGAAGCAGCAGGTTCCGCAGCATTTGTTGGAAGCTCT  
 TTCTTTGTGTTCTTCTCAAGATAAAAGTCAATGGATCAGTAGAATTAAGAAGTAAAGTCTGGTATAG  
 CAATATTAAGAAATACATATCACTAATCCAAGGAAAGTGTGGCCAACAGGATCTGATGATAAACAAT  
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 TCTACATCCGAGACGCTGATTTCTAGTAATATCAGACCTGTCTCGGCTTTTGTGATCATTATCCACT  
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 GTGACTTACCAGTTCCACCCCAATTTAGACTACTACAAAGCACGGGGAGCTGACCTTATGAACAAAAGCC  
 GGACCAATGCCAGAGGTGCTCCTCTGAATATACACAAGGTCTCCAACAGCTTGATTAACCTTTGGAAGAAA  
 GTTGATTGCCCGGCTCAGCTCCAGGCAGTATGGGTGGCCCTGTGCTGGGAGCAACAGCAGCAGCTCT  
 TTCTCTGCTGCCGTCCCCTTCCAGACCTCCGCAGAAGCCCGAGGCATATTCTCAGCAGCAGCGGCAGC  
 AGC  
 AAGCATGCCGGTACAGTTGAACAAAGGGCAAAGTCCGAAAACCATCAGTTCATCTCCGAGTATGGAGAGT  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:**

>RR209457 representing NM\_001134762  
Red=Cloning site Green=Tags(s)

```
MYKSVSETRHPLQSEEQEVGIDPLFSYSNKPRGDSCQNGRGANSNLDGDTFSSYMREWDDL FVNNNYLA  
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PPIPFARPQDLGPTVAIVTKVNQIQDHLLKKHDELYMHLNRLEIPPQIYGLRWVRLLFGRFPLQDLLV  
VWDALFADGLHLSLDYVFTAMLLYIRDALISSNYQTCLGLLMHYPLIGDIHSLILKALFLRDPKRNP  
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LPGGREPPGSPSSATKRDSFFSHIARSRSKAMGRKESEEELEAQISFLQGQLNDLDAMCKYCAKVM  
MHLVNIQDVVLQENLEKEDQILVSLAGLKQIKDILKGS LRFNQSQLEAEENEQIT IADHYCSSGQDQGT  
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```

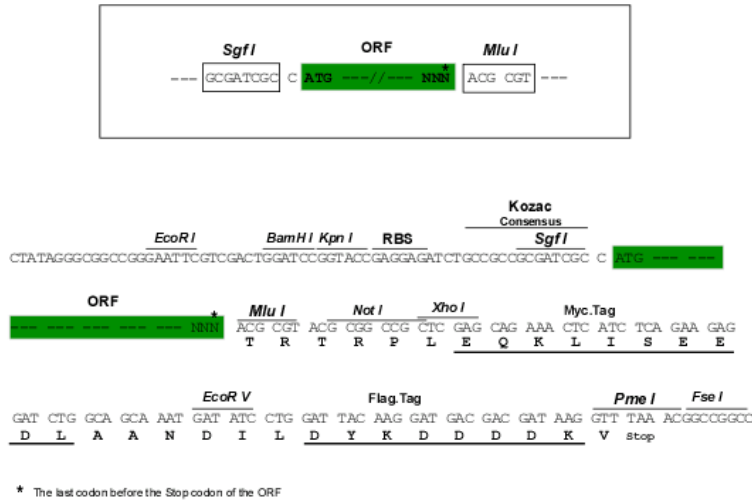
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM\_001134762

ORF Size: 2415 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.

Components: 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001134762.1](#), [NP\\_001128234.1](#)

**RefSeq Size:** 4043 bp

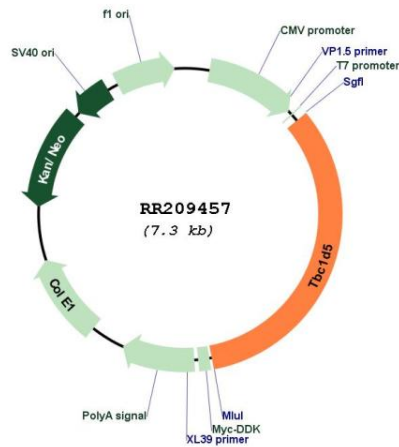
**RefSeq ORF:** 2418 bp

**Locus ID:** 501088

**Cytogenetics:** 9q11

**MW:** 90.9 kDa

**Product images:**



Circular map for RR209457