

## Product datasheet for **RC203484**

### 5T4 (TPBG) (NM\_006670) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5T4 (TPBG) (NM_006670) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	5T4
Synonyms:	5T4; 5T4AG; M6P1; WAIF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203484 representing NM_006670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGGGGTGCTCCCGGGGCCCGCCGGGGACGGGCGTCTGCGGCTGGCGGACTAGCGCTGG  
TACTCCTGGGCTGGGCTCCTCGTCTTCTCCACCTCCTCGGCATCCTCCTTCTCCTCCTCGCGCCGT  
CCTGGCTCCGCCGTGTCCGCCAGCCCCGCTGCCGGACCAGTCCCCCGCTGTGCGAGTGCTCCGAG  
GCAGCGGCACAGTCAAGTGCCTAACCGCAATCTGACCGAGGTGCCACGGACCTGCCCGCTACGTGC  
GCAACCTTCTTACCGCAACAGCTGGCCGTGCTCCCTGCCGCGCCTTCGCCCGCCGCCCGCT  
GGCGGAGCTGGCCGCGCTCAACCTCAGCGGCAGCCGCTGGACGAGGTGCGCGCGGGCGCCTTCGAGCAT  
CTGCCAGCCTGCGCCAGCTCGACCTCAGCCACAACCCACTGGCCGACCTCAGTCCCTTCGCTTTCTCGG  
GCAGCAATGCCAGCGTCTCGGCCCCAGTCCCCTTGTTGAACTGATCCTGAACCACATCGTGCCCCCTGA  
AGATGAGCGGCAGAACCGGAGCTTCGAGGGCATGGTGGTGGCGGCCCTGCTGGCGGGCCGTGCACTGCAG  
GGGCTCCGCCGTGGAGCTGGCCAGCAACCACTTCTTTACCTGCCCGGGATGTGCTGGCCCAACTGC  
CCAGCCTCAGGCACCTGGACTTAAGTAATAATTCGCTGGTGGTGCCTGACCTACGTGTCTTCGCAACCT  
GACACATCTAGAAAGCCTCCACCTGGAGGACAATGCCCTCAAGTCTTCACAATGGCACCTGGCTGAG  
TTGCAAGTCTACCCACATTAGGTTTTCTGGACAACAATCCCTGGGTCTGCGACTGCCACATGGCAG  
ACATGGTGACCTGGCTCAAGGAAACAGAGGTAGTGCAGGGCAAAGACCGCTCACCTGTGCATATCCGGA  
AAAAATGAGGAATCGGGTCTCTTGGAACTCAACAGTGCTGACCTGGACTGTGACCCGATTCTTCCCCCA  
TCCCTGAAAACCTCTTATGTCTTCTGGTATTGTTTTAGCCCTGATAGCGCTATTTCTCCTGGTTT  
TGTATTTGAACCGCAAGGGGATAAAAAAGTGGATGCATAACATCAGAGATGCCTGCAGGGATCACATGGA  
AGGGTATCATTACAGATATGAAATCAATGCGGACCCAGATTAACAAACCTCAGTTCTAACTCGGATGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_006670.1](#)

**RefSeq Size:** 2379 bp

**RefSeq ORF:** 1263 bp

**Locus ID:** 7162

**UniProt ID:** [Q13641](#)

**Cytogenetics:** 6q14.1

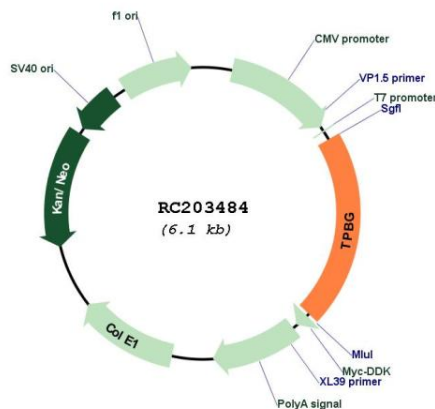
**Domains:** LRRNT, LRRCT, LRR, LRR\_TYP

**Protein Families:** Transmembrane

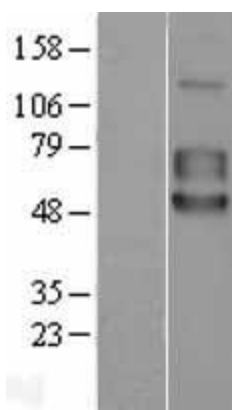
**MW:** 45.9 kDa

**Gene Summary:** This gene encodes a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion. The encoded protein is an oncofetal antigen that is specific to trophoblast cells. In adults this protein is highly expressed in many tumor cells and is associated with poor clinical outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2009]

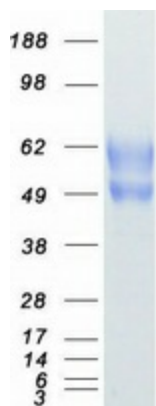
### Product images:



Circular map for RC203484



Western blot validation of overexpression lysate (Cat# [LY401995]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203484 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TPBG protein (Cat# [TP303484]). The protein was produced from HEK293T cells transfected with TPBG cDNA clone (Cat# RC203484) using MegaTran 2.0 (Cat# [TT210002]).