

## Product datasheet for **SC328687**

### 5T4 (TPBG) (NM\_001166392) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5T4 (TPBG) (NM_001166392) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPBG
Synonyms:	5T4; 5T4AG; M6P1; WAIF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166392, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGGGGGTGCTCCCGGGGCCCGCCGGGGACGGGCGTCTGCGCTGGCGCA
CTAGCGCTGGTACTCCTGGGCTGGGTCTCCTCGTCTTCTCCACCTCCTCGGCATCCTCC
TTCTCCTCCTCGGCGCCGTTCTGGCTTCCGCCGTGTCCGCCAGCCCCGCTGCGCGAC
CAGTGCCCGCGCTGTGCGAGTGTCCGAGGCAGCGCGCACAGTCAAGTGCCTAACCGC
AATCTGACCGAGGTGCCACGGACTGCCCGCCTACGTGCGCAACCTCTTCTTACCGGC
AACCAGCTGGCCGTGCTCCCTGCCGGCGCCTTCGCCCGCCGGCCCGCTGGCGGAGCTG
GCCCGCTCAACCTCAGCGGCAGCCGCTGGACGAGGTGCGCGCGGGCGCCTTCGAGCAT
CTGCCAGCTGCGCCAGCTCGACCTCAGCCACAACCCACTGGCCGACCTCAGTCCCTTC
GCTTTCTCGGGCAGCAATGCCAGCGTCTCGGCCCCAGTCCCCTTGTGGAAGTATCCTG
AACCACATCGTGCCCTGAAGATGAGCGCAGAACCGGAGCTTCGAGGGCATGGTGGTG
GCGGCCCTGTGGCGGGCCGTGCACTGCAGGGGCTCCGCCGCTTGAGACTGGCCAGCAAC
CACTTCCTTTACCTGCCGCGGATGTGCTGGCCAACTGCCAGCCTCAGGCACCTGGAC
TTAAGTAATAATTCGCTGGTGGAGCTGACCTACGTGTCTTCCGCAACCTGACACATCTA
GAAAGCTCCACCTGGAGGACAATGCCCTCAAGGTCTTACAATGGCACCCTGGCTGAG
TTGCAAGGTCTACCCACATTAGGGTTTTCTGGACAACAATCCCTGGGTCTGCGACTGC
CACATGGCAGACATGGTACCTGGTCAAGGAAACAGAGGTAGTGCAGGGCAAAGACCGG
CTCACCTGTGCATATCCGAAAAAATGAGGAATCGGGTCTCTTGAAGTCAACAGTGTCT
GACCTGGACTGTGACCCGATTCTTCCCCATCCCTGCAAACCTTATGTCTTCTGGGT
ATTGTTTTAGCCCTGATAGGCGCTATTTTCTCCTGTTTTGTATTTGAACCGCAAGGGG
ATAAAAAAGTGGATGCATAACATCAGAGATGCCTGCAGGGATCACATGGAAGGTATCAT
TACAGATATGAAATCAATGCGGACCCAGATTAACGAACCTCAGTTCTAACTCGGATGTC
TGA

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Restriction Sites: Please inquire



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<b>ACCN:</b>	NM_001166392
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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><a href="#">NM_001166392.1</a></u> , <u><a href="#">NP_001159864.1</a></u>
<b>RefSeq Size:</b>	2881 bp
<b>RefSeq ORF:</b>	1263 bp
<b>Locus ID:</b>	7162
<b>UniProt ID:</b>	<u><a href="#">Q13641</a></u>
<b>Cytogenetics:</b>	6q14.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>