

## Product datasheet for **RG218573**

### **TMSB4Y (NM\_004202) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMSB4Y (NM\_004202) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TMSB4Y  
**Synonyms:** TB4Y  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG218573 representing NM\_004202  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

**ATGTCTGACAAACCTGGTATGGCTGAGATCGAGAAATTCGATAAGTCGAAACTGAAGAAGACAGAAACGC**  
**AAGAGAAGAATCCATTGTCTTCCAAAGAACTATCGAACAGGAGAGGCAAGCAGGCGAATCT**

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG218573 representing NM\_004202  
Red=Cloning site Green=Tags(s)

MSDKPGMAEIEKFDKSKLKKTTETQEKNPLSSKETIEQERQAGES

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



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**Cloning Scheme:**


**ACCN:** NM\_004202

**ORF Size:** 132 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](#)

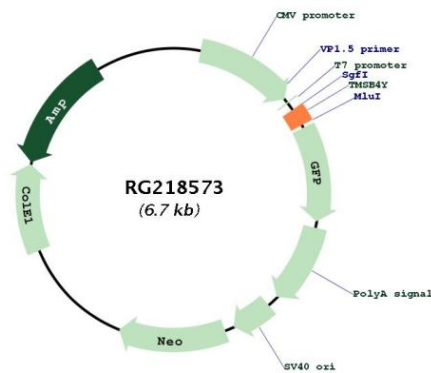
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:	<a href="#">NM_004202.3</a>
RefSeq Size:	1702 bp
RefSeq ORF:	135 bp
Locus ID:	9087
UniProt ID:	<a href="#">O14604</a>
Cytogenetics:	Yq11.221
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Regulation of actin cytoskeleton
Gene Summary:	This gene lies within the male specific region of chromosome Y. Its homolog on chromosome X escapes X inactivation and encodes an actin sequestering protein. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG218573