

## Product datasheet for **RG206289**

### Transition Protein 1 (TNP1) (NM\_003284) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Transition Protein 1 (TNP1) (NM_003284) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Transition Protein 1
Synonyms:	TP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<p>&gt;RG206289 representing NM_003284  <b>Red</b>=Cloning site <b>Blue</b>=ORF <b>Green</b>=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  GCC<b>CGATCGCC</b></p> <p><b>ATGTCGACCAGCCGAAATTAAGAGTCATGGCATGAGGAGGAGCAAGAGCCGATCTCCTCACAAGGGAG  TCAAGAGAGGTGGCAGCAAAGAAAATACCGTAAGGGCAACCTGAAAAGTAGGAAACGGGGCGATGACGC  CAATCGCAATTACCGCTCCCACTTG</b></p> <p><b>ACGCGTACGCGGCCGCTCGAG</b> - GFP Tag - GTTTAA</p>
Protein Sequence:	<p>&gt;RG206289 representing NM_003284  <b>Red</b>=Cloning site <b>Green</b>=Tags(s)</p> <p>MSTSRKCLKSHGMRRSKSRSPHKGVKRGGSKRKYRKNLKSRRKGDDANRNYRSHL</p> <p><b>TRTRPLE</b> - GFP Tag - V</p>
Restriction Sites:	Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_003284

**ORF Size:** 165 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:**

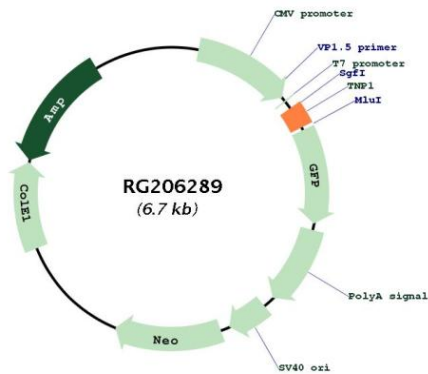
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_003284.4](#)

RefSeq Size: 419 bp  
 RefSeq ORF: 168 bp  
 Locus ID: 7141  
 UniProt ID: [P09430](#)  
 Cytogenetics: 2q35

**Gene Summary:** Transition protein-1 is a spermatid-specific product of the haploid genome which replaces histone and is itself replaced in the mature sperm by the protamines (see PRM1, MIM 182880; PRM2, MIM 182890) (Luerssen et al., 1990 [PubMed 2249851]).[supplied by OMIM, Mar 2008]

**Product images:**



Circular map for RG206289