

Product datasheet for **RR213774**

Tpo (NM_019353) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpo (NM_019353) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpo
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR213774 representing NM_019353
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RR213774 representing NM_019353
 Red=Cloning site Green=Tags(s)

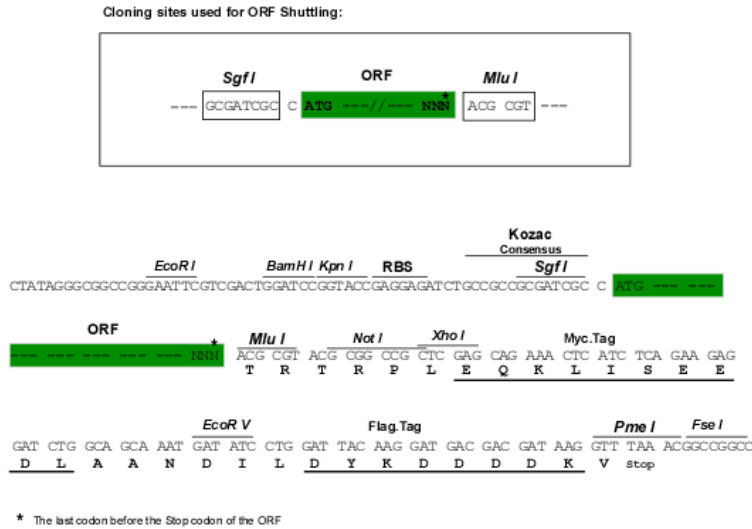
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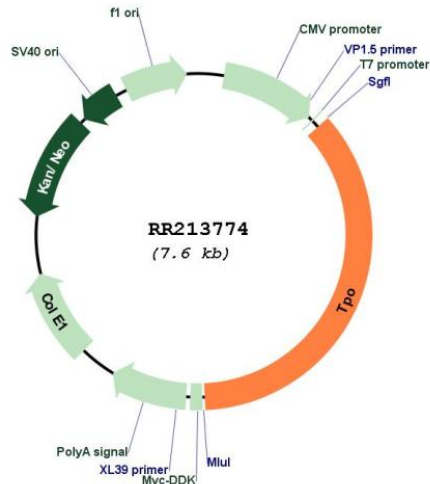
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Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_019353

ORF Size: 2742 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_019353.2](#), [NP_062226.2](#)

RefSeq Size: 3250 bp

RefSeq ORF: 2745 bp

Locus ID: 54314

Cytogenetics: 6q16

MW: 101.5 kDa

Gene Summary: membrane-bound glycoprotein; iodinates tyrosine residues in thyroglobulin to generate biologically active thyroid hormones T3 and T4 [RGD, Feb 2006]