

Product datasheet for **RN213774**

Tpo (NM_019353) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN213774 representing NM_019353
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAACACTTGGAGCTATGGCAGTAATGCTGGTTGTGATGGGAACGCAATTTTCCTCCCTTTCTCTCC
 TGAGAAGCAGAGACATCTTGGGGGGAAGACTATGACATCCCATGTTATCAATGTTGTAGAAACGAGCCA
 GCTTCTGGTGGACAATGCAGTCTACAACACCATGAAAAGAAACCTCAAGAAAAGGGGAGTCTTTCTCCA
 GCCCAGCTTCTCTTTCTCCAAGCTGCCAGAGTCCACCAGTGGAGCTATTTCCCGAGCAGCAGAGATCA
 TGGAAACATCAATAACAAGTCATGAAACGTGAACAATCACAGTTCTCCACGGATGCACTATCAGCAGACAT
 CCTGGCCACAATTGCCAACCTGTCAGGATGCTTGCCTTTCATGCTGCCACCGAGATGCTCTGACACCTGC
 CTGGCAAACAAGTACCGGCCATCACAGGGGTGTGCAACAACAGAGATCACCCAGATGGGGAGCCTCCA
 ACACAGCCCTAGCAAGATGGCTGCCTCCTGTCTACGAAGATGGTTTCAGTCAGCCAGAGGCTGGAACCC
 TAATTTCTTATACCATGGCTTCCACTGCCCCCGGTACGGGAGGTGACAAGACACCTCATTCAAGTTTCA
 AATGAGGCTGTGACTGAAGATGACCAGTACTCTGATTTTCTGCCGGTGTGGGGACAGTACATCGATCATG
 ACATTGCTCTCACACCACAGAGCACAGCAGCCTTCTGGGGAGGTGTCGACTGCCAGTTGACCTG
 TGAGAACCAAAACCCCTGCTTCCCATAACAGCTTCCCTCAAACCTCCTCACGGACCACTGCATGCCTACCT
 TTCTACCGCTCCTCAGCCGCCTGTGGCACTGGGGACCAAGGAGCACTCTTTGGCAACCTGTCTGCAGCCA
 ATCCGAGGCAGCAGATGAATGGCTTGACCTCCTTCTTGTGCTTCCACGGTGTATGGCAGCTCCCAGG
 TGTTGAGAAGCAGTTGCGCAACTGGAGCAGCTCTGAGGGCTGCTGCGTGTCAACACCCCTCCACCTAGAC
 TCTGGCCGTGCCTACCTGCCCTTCGCATCAGCCGCCTGTGCTCCAGAGCCTGGTGTCTCCACAGCCAAC
 GCACGCCCTGCTTCTGGCTGGTGTGATGGCCGCCAGGAGGTCCCGCCCTGGCAGAGTCCACACCTT
 GTGGCTGCGCGAGCACAACCGCCTGGCTACAGCTTTCAAAGCCATCAACACACATTGGAGCGCCAACACT
 GCCTACCAGGAGGCACGAAGGTGGTAGGGCATTGCACCAGATCATCACCATGAGGGATTATATCCCCA
 AGATCCTGGGTCCCGATGCCTTCAGGCAGTATGTGGGCCCTATGAAGGCTATAACCCACGGTGAACCC
 TACTGTGTCCAACGTCTTCTACTGCTGCCTTCCGCTTTGGCCATGCCACAGTCCATCCACTGGTGA
 CGACTAAACACAGACTTCCAGGACCACACAGAGCTCCCAGGCTGCAGCTGCACGACGTCTTCTCAGGC
 CCTGGAGGCTTATCCAGGAAGGTGGTTTGGATCCAATAGTAAGAGGCTCCTGGCAAGACCAGCCAAGCT
 GCAAGTACAGGAGCAACTGATGAATGAGGAACTGACCGAGAGGCTCTTTGTGTTGCTAATGTGGGCACC
 TTGGATCTGGCATCACTGAACTTGCAGAGGGGCCGGGACCACGGCTTACCAGGCTACAATGAGTGGAGAG
 AGTTCTGTGGCTGTACGCCTGGAGACACCAGCTGAGCTGAACAAGGCCATTGCCAACAGAAGCATGGT
 CAACAAGATAATGGAGTTATACAAGCATGCTGACAACATTGATGTCTGGTTGGGAGGCTGGCTGAAAAG
 TTCTTACCAGGAGCCCGCACCGGTCTCTGTTTGCATGTATCATTGGGAAGCAGATGAAGGCTCTGAGGG
 ATGGGGACAGGTTTTGGTGGGAGAACAGCCATGTCTTACAGACGCTCAGAGGCAGGAACTGGAAAAGCA
 TTCCTACCTCGGGTCACTGTGACAACACCGGCTCACAGAGTACCTGTGGATGCCTCCGTATTGGA
 AAGTTCACCCAGGACTTTGAATCCTGTGAGGAAATCCCTAGCATGGACCTCAGACTGTGGAGGGAGACCT
 TCCCACAAGACGACAAGTGTGTCTTCCCAGAGAAGGTGGACAATGGAACTTTGTGCACTGTGAAGAATC
 TGGGAAGCTGGTACTGGTGTATTCTGTTTCCATGGATACAAGCTGCAAGGCCAGGAGCAGGTACATGT
 ACCCAGAATGGATGGGACTCAGAGCCTCCTGTCTGTAAGATGTTAATGAGTGTGACAGATCTGACACACC
 CACCTTGGCACTCCTCCGCAAAGTGCAAGAACCAAGGGAAGCTTCCAGTGTGTGTGCACAGACCCCTA
 CGTGTAGGTGAGGATGAGAAGACCTGCATAGATTCTGGCAGGCTACCTCGGGCATCCTGGGTCTCCATT
 GCATTGGGTGCACTTCTCATTGGTGGTTTGGCCAGTCTCAGTGGACTGTAATTTGCAGGTGGACACATG
 CTGATAAGAAAGTCCACATTGCTGATCACCGAGAGAGTGACCACGGAGTCAAGATTGAGAAAGAGTCAGGA
 GAGTGGGATTTACCACAAAAGGCCGAGGTTCAAGATGCTGAACAGGAACCGGCTTATGGATCCAGAGTC
 CTCCTGTGTGAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN:	NM_019353
Insert Size:	2745 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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
Gene Summary:	membrane-bound glycoprotein; iodinates tyrosine residues in thyroglobulin to generate biologically active thyroid hormones T3 and T4 [RGD, Feb 2006]