

Product datasheet for **RR212664**

Tmx4 (NM_001100529) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmx4 (NM_001100529) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmx4
Synonyms: RGD1305146; Txndc13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR212664 representing NM_001100529
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGGCGGTTTCTGCGTCCCAGTATTCCTGGCCGCTGGCTCGCGGCGGCAGCGGCCGAGGCCGAGG
GCCTGGAGCAGGCCGCGCTGCCGCGGAGGAGAGCCGTGTGCAGCCCATGACCGCCTCCAACCTGGACGCT
GGTGATGGAGGGCGAGTGGATGCTGAAATTTTATGCTCCATGGTGTCCATCCTGCCAGCAGACTGATTCT
GAATGGGAGACTTTTGCAAAGAATGGAGAAACACTTCAGATCAGTGTGGAAAGGTGGATGTCATTCAAG
AACCAGGTTTGTAGTGGCCGCTTCTTTGTCACCACTCTCCAGCATTTTTTCATGCAAAAGATGGGATATT
CCGCCGTTACCGTGGTCCAGGAATCTACGAAGATTTACAGAATTACATATTAGAGAAGAAATGGCAATCA
GTTGAGCCTCTCACTGGCTGGAAGTCCCCAGCCTCTCTAACGATGTCTGGAATGGCTGGTCTTTTTAGTA
TCTCTGGCAAGATTTGGCATCTTCACAACTATTTACAGTGACTCTTGAATTCCTGCATGGTGTCTTA
TGTTTTTTTTCGTCATTGCCACTTTGGTCTTTGGCCTGTTTCATGGGTTTGATCCTGGTGGTGTCTCAGAA
TGCTTCTATGTGCCTCTTCCAAGAGCTTCTCTGAACGCTCTGAGCAGGAGCAGAGGTCTGAGGAGGCTC
AAGGAGCTGAGCAGCTACAGGATGCAGAGGAAGAGAAGGATGACTCAAATGAAGAAGAAAACAAAGACAG
TCTTGTGGATGATGAGGAAGAGAAAGAGGACCTTGGAGATGACGATGAAGTAGAAGAAGATGAAGAAGAA
GACAACCTGGCAGGCATCATGGATGAGGAGAAAAGTGACAGCAATGAGCAAGGAGTTGTGAAGGAGGCA
GTGTGTCCCCGAAGGATGAAGAAGCTCGTTCAGCTGACACACAGGACGTGGTGAAGACTCCTTGAGGCA
GCACAAGAGTCAGCATGCCAAGGGACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR212664 representing NM_001100529
Red=Cloning site Green=Tags(s)

MTGGFCVPVFLAAWLAAAAAEAGLEQAALPAEESRVQPMASNWTLMVEGEWMLKFYAPWPCSCQQTDS
 EWETFAKNGETLQISVGKVDVIQEPGLSGRFVVTLPAFFHAKDGI FRRYRGPGIYEDLQNYILEKKWQS
 VEPLTGWKSPASLTMSGMAGLFSISGKIWHLHNYFTVTLGIPAWCSYVFFVIATLVFGLFMGLILVVISE
 CFYVPLPRASSERSEQEQRSEEAQGAEQLQDAEEEEKDDSNEEENKDSLVDDEEEKEDLGDDDEVEEDEEE
 DNLAGIMDEEKSDSNEQGVVKEGSVSPKDEEARSADTQDVVEDSLRQRKSKHAKGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001100529

ORF Size: 1008 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_001100529.1](#), [NP_001093999.1](#)

RefSeq Size: 4993 bp

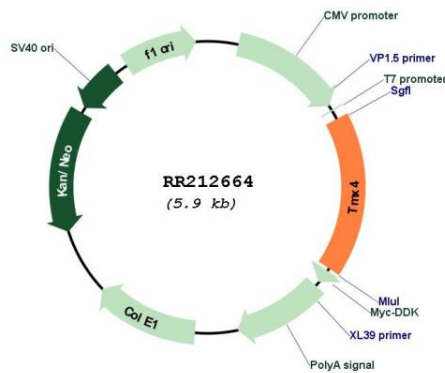
RefSeq ORF: 1011 bp

Locus ID: 296182

Cytogenetics: 3q36

MW: 37.5 kDa

Product images:



Circular map for RR212664