

## Product datasheet for **RN202950**

### Mtrex (NM\_001034093) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mtrex (NM\_001034093) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mtrex  
**Synonyms:** RGD1305984; Skiv2l2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202950 representing NM\_001034093  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGACGCTTTCGGGGATGAGCTTTTCAGCGTTTTTCGAGGATGATTCGACCACTGCAGCGGGAACCA  
AGAAAGACAAAGAAAAGGAGAAAAGATAAATGGAAGGGGCCACCGGGCCTGCAGACAAGGCCGGAAACG  
ACTGGATACCAGATTACAGTCAGAACCAGCCAGTAGTGGGAAAAACAAGAGAGATCTAGATGTTGAAGGC  
ACAGATGAACCTATTTTTGGCAAGAAGCCAGGATAGAAGACTCAATTAATGAAGATTTAAGCTTGGCGG  
ACCTGATGCCAGAGTCAAGGTACAGTCGGTTGAAACAGTTGAAGGCTGTACACACGAGGTCGCTCTTCC  
TGCAGATGAGGATTATATACCACTTAAGCCTCGAGTTGGGAAGGCAGCAAAGGAATACCCGTTTATTCTT  
GATGCTTTCCAAAGAGAAGCCATTCAGTGTGTTGATAACAATCAGTCTGTGTTAGTATCTGCTCATAACAT  
CAGCGGGGAAAACCGTGTGCGCTGAGTATGCTATTGCACTGGCTTTAAGGGAAAAACAGCGTGAATATT  
TACCAGCCCAATAAAGGCTCTAAGTAATCAGAAATACCGTGAAATGTATGAAGAATTTCAAGATGTTGGT  
CTGATGACTGGAGATGTTACTATTAATCCACAGCATCTTGTCTGGTTATGACTACAGAGATTTTGAGAA  
GTATGCTGTACAGAGGCTCTGAAGTTATGCGAGAAGTTGCGTGGGTCATATTTGATGAAATTCATTACAT  
GAGAGATTCAGAGCGTGGTGTAGTATGGGAAGAACTATTTTTGCTTCCAGACAATGTTCACTATGTC  
TTTTCTTCGCTACTATTCCCAATGCTCGACAGTTTTGCTGAGTGGATCTGCCACCTACATAAACAGCCCT  
GTCATGAATTTTACTGATTATCGACCTACTCCATTGCAACACTACATATTTCCAGCAGGGGAGATGG  
CCTTACCTTGTGGTTGATGAAATGGTACTTCAGAGAAGATAATTTTAACTGCAATGCAAGTACTT  
CGGGATGCAGGTGATTTGGCCAAAGGAGACCAGAAGGGACGAAAGGAGGAACAAAGGTCCATCAAATG  
TGTTCAAGATTGTGAAGATGATTATGGAAGAAATTTTCAACCTGTGATTATCTCAGTTTTAGTAAGAA  
GGATTGTGAAGCATACGCCCTTCAAATGACTAACTAGACTTCAACACAGATGAAGAAAAGAAGATGGTT  
GAAGAAGTTTTCAATAATGCAATTGACTGTTTGTCTGATGAAGATAAAAAGCTCCCTCAGGTTGAACATG  
TACTTCCACTTTTGAACGGGGGATTGGTATTCACCATGGTGGTTTGCTTCTATTTTAAAGGAACTAT  
AGAGATTCTTTTTCTGAAGATTGATAAAGGCCTTATTTGCCACAGAGACTTTTGTATGGGAATTAAC  
ATGCCAGCTAGAAGTGTATTTTACAAATGCCGTAATATGATGGGAAGGATTTAGATGGATTTCT



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CAGGTGAGTACATCCAGATGTCTGGTCGTGCAGGAAGGAGGGGATGGATGACAGAGGGATTGTGATTCT  
TATGGTCGATGAAAAGATGAGCCCAACAATTGGAAAACAAGCTTAAAGGGCTCAGCTGATCCTCTGAAT  
AGTGCTTTCCATCTAACGTACAACATGGTTTTGAAGTTACTAAGAGTAGAAGAAATTAATCCCGAGTACA  
TGCTTGAAAAATCCTTCTACCAGTTTCAGCATTATAGAGCAATCCAGGAGTTGTAGAAAAGGTAAGAA  
CTCGGAAGAACAGTATAATAAAATAGTAATCCCAATGAAGAAAATGTGGTCATCTATTACAAGATTAGA  
CAGCAACTTGCCAAGCTGGGAAAAGAGATTGAAGAATATATTATAAGCCAAAATCTGCTTACCCTTTC  
TACAACAGGCCGTTTGTAAAGGTGAAGAATGAAGGTGATGATTCGGCTGGGGAGTAGTGGTGAAGT  
CTCAAAAAAGTCAAACGTCAAGCCAATTCTGGCGAACTGGATCCCTTGTATGTGGTGGAAGTGCTCCTG  
CGCTGTAGCAAGGAAAGCCTGAAAACTCCGCCACAGAGGCAGCAAGCCAGCAAAGCCGGATGAGAAGG  
GGGAGATGCAGGTTGTTCCGGTTTTGGTGCATCTCCTGTCTGCCATCAGCACTGTAGACTCTACATTCC  
AAAAGACCTCCGCCCCGTGGACAACAGACAGAGTGTCTAAAAATCCATACAGGAAGTTCAAAGCGGTTT  
CCCGATGGTGTCCGTTGTAGATCCTATCGATGATATGGGCATTCAAGATCAAGGACTGAAAAAGTCA  
TTCAGAAAGTAGAGGCTTTTGGATCGAATGTACTCGCACCCACTTCACAATGATCCTAATCTGGAAAC  
TGTGTATACCCTTTGTAAAAAAGGCACAGATTGCAATAGATATTAAGTCTGCAAAGAGAGAAGTGAAG  
AAAGCAAGAACTGTTCTGCAAAATGGATGAACTCAAATGTCGTAAGCGTGTCTAAGAAGGCTGGGTTTTG  
CTACATCTTCTGATGTCATAGAGATGAAAGGACGGGTGGCTTGTGAGATAAGCAGTGCTGACGAGCTCT  
TCTAACAGAGATGATGTTAATGGGCTCTTCAATGACCTTTCTTTCAGAACAGGCGACCGCACTGTAAGC  
TGTTTTGTGTTTCAAGAGAACTTCTAGTGAGATGCCCAAATTAACAGAGCAGTTAGCTGGACCACTCCGAC  
AAATGCAGGAATGTGCTAAAAGGATTGCAAAGTTTTCTGCAGAGGCAAACTGGAGATTGATGAAGAAAC  
TTACTTAAAGCTCATTCAAGCCTCACCTGATGGATGTGGTGTACACCTGGGCAACTGGGGCCACATTTGCC  
CACATCTGCAAAATGACAGATGTCTTTGAAGGCAGTATAATCCGTTGTATGAGGCGCCTGGAAGAAGTGC  
TTCGACAGATGTGTCAAGCAGCGAAAGCCATTGGAACACAGAGCTGGAGAACAAGTTTGTCTGAAGGAAT  
CACCAAAATCAAGAGGGATATTGTATTTGCTGCCAGCCTCTACTTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001034093

**Insert Size:**

3129 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:**

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\_001034093.1, NP\_001029265.1

**RefSeq Size:**

3582 bp

**RefSeq ORF:**

3129 bp

Locus ID: 365668

Cytogenetics: 2q14