

## Product datasheet for **RN208604**

### Tek (NM\_001105737) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tek (NM_001105737) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tek
Synonyms:	Tie-2; Tie2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208604 representing NM_001105737 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCTTTAGCCGGCTTAGTTCTCTGTGGAGTCAGCTTGCTCCTTTATGGACTAGTAGAAGGAGCCA  
TGGACCTGATCTTGATCAATCCCTACCTTTGTGTCTGATGCCGAAACATCCCTCACCTGCATTGCTTC  
TGGGTGGCACCCACGAGCCCATCACCATAGGAAGGGACTTTGAAGCCTTAATGAACCAGCACCAAGAT  
CCACTGGAAGTTACTCAAGATGTGACCAGAGAATGGGCGAAAAAGTTGTTTGAAGAGAGAAAAAGGCCA  
GTAAGATTAATGGTGCTTATTTCTGTGAAGGTCGAGTTTCGAGGACAGGCTATAAGGATACGAACCATGAA  
GATGCGTCAACAAGCTTCTTTCTACCTGCTACTCTAACTATGACCGTGGACAGGGGAGATAATGTGAAC  
ATATCCTTCAAAAAGGTGTTAATTAAGAAGAAGATGCAGTGATTTACAAAAATGGTTCCTTCATTTCATT  
CAGTGCCCGGCATGAAGTTCCTGATATTTAGAAAGTGCATCTGCCTCACGCTCAGCCCCAGGATGCTGG  
TGTGACTCGGCCAGGTACATAGGAGGAAACCTGTTACCTCGGCCTTACCAGGCTGATTGTCCGGAGA  
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ATGAAGATACTGGGAGTGCATTTGCCCTCCTGGGTTTATGGGGAGGACATGTGAAAAGGCTTGTGAGCC  
ACACACATTTGGCAGGACCTGTAAGGAACGGTGTAGTGGATCAGAGGGATGCAAGTCATATGTGTTCTGT  
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ACGGTCACTATGGCCAGACTGTAAGCTCAGGTGCCACTGTACCAATGAAGAGATGTGTGACCGCTTCCA  
AGGATGCCTCTGCTCTCAAGGATGGCAAGGGCTGCAGTGTGAGAAAGAAGGCAGGCCAAGGATGACTCCA  
CAGATAGAGGATTTGCCAGATCACATAGAAGTAAACAGTGGGAAATTTAACCCGATCTGCAAGGCCTCTG  
GCTGGCCACTACCTACTAGTGAAGAAATGACCCTGGTGAAGCCGGATGGGACAGTGTCCAACCAATGA  
CTTCAACCATACAGATCATTTCTCAGTGGCCATATTCAGTGTCAACCGGATCTTACCTCCTGACTCAGGA  
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TTCCAGAGCCCTGCATGCCCAAATGTTATTGACACTGGACACAACCTTGTATCATCAACATCAGCTC  
TGAGCCTTACTTTGGGATGGACCGATCAATCCAAGAAGCTCTTCTATAAACCTGTCAATCAGGCTTGG  
AAATACATTCAAGTGATGAATGAGATTGTCACTCAACTACCTGGAGCCTCGGACTGACTACGAGCTGT



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GTGTACAGCTGGTCCGTCTGGAGAGGGTGGAGAAGGACATCCTGGACCTGTGAGAAGATTCAACAACAGC
GTCTATCGGACTCCCTCCTCCAAGAGGTCTCAGTCTCCTACCCAAAAGCCAGACAGCTCTGAATTTGACT
TGGCAACCGATATTTACAAGCTCAGAAGATGAATTTTATGTGGAAGTTGAGAGGTGGTCCAGCAAACAA
GAAGTGATCAGCAGAACATCAAAGTGCCTGGGAACCTGACTTCCGTGCTGCTGAACAACCTACTCCCCAG
GGAGCAGTACAGCGTCCGAGCTAGAGTCAACACCAAGGCCAGGGGGAGTGGAGTGAAGAAGTCAAGGGC
TGGACCCCTTAGTGACATTCTCCCTCCTCAGCCAGAAAACATCAAGATCACCACATCACTGATTACACAG
CTCTGGTTTCTTGACAATCGTGGACGGCTATTTCGATTTCTCCATCATATCCGGTATAAGGTTCAAGG
CAAAAATGAAGACCAGCACATTGACGTGAAGATCAAGAATGCCACCATCACTCAATACCAGCTCAAGGGC
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CAGGAAGTCTGGCCCTAAACAGGAAGGCCAAAACAATCCGGATCCACAATTTATCCTGTGCTTGACTG
GAATGACATCAAGTTCCAAGATGTGATTGGAGAGGGCAACTTTGGCCAGGTTCTGAAGGCGCGCATCAAG
AAGGATGGGTTACGGATGGACGCTGCCATCAAGAGGATGAAAGAATATGCCTCCAAGATGATCACAGGG
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ATGTGAACACAGAGGCTACTTATACCTGGCTATTGAGTATGCCCCACATGAAAACCTCCTGGACTTTCTG
CGTAAGAGCCGAGTGCTAGAGACAGACCCTGCCTTTGCCATCGCCAACAGCACGGCTTCCACACTGTCT
CCCAGCAGCTTCTTCAATTTTGTGCAGATGTGGCCCGGGGATGGACTACTTGAGCCAAAACAGTTTAT
CCACAGGGACCTGGTCCAGAAACATTTTGTGGCGAAAACACTACATAGCCAAAATAGCAGATTTTGA
TTGTACAGAGTCAAGAAGTGTATGTGAAAAGACAATGGGAAGGCTCCAGTGCCTGGATGGCAATTG
AGTCTCTGAACATAGTGTCTATAACAACACAGTGTATGGTCTATGGTGTATTGCTCTGGGAGAT
CGTTAGCTTAGGAGGCACTCCATACTGCCGCATGACATGTGCAGAACTATGAGAAGCTGCCCCAGGGC
TACAGATTGGAGAAGCCCTGAACTGTGATGATGAGGTGTATGATCTAATGAGACAATGCTGGAGGGAGA
AGCCTTATGAGAGACCATCATTTGCCAGATATTGGTGTCTTAAACAGAATGCTGGAAGAACGAAAGAC
ATACGTGAACACCACACTTTATGAGAAGTTACCTACGCAGGAATTGACTGTTCTGCTGAAGAAGCAGCC
TAG
    
```

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001105737

**Insert Size:**

3363 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\\_001105737.1](#), [NP\\_001099207.1](#)  
RefSeq Size: 4559 bp  
RefSeq ORF: 3363 bp  
Locus ID: 89804  
Cytogenetics: 5q33  
Gene Summary: mediates development of embryonic vasculature; plays a role in tumors and skin wounds [RGD, Feb 2006]