

Product datasheet for **RN208009**

Tie1 (NM_053545) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tie1 (NM_053545) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tie1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208009 representing NM_053545 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTGGTGGGGATCCCCTTTCCTGCTCCCCATTCTTTTTCTGGCCTCTCATGTTGGTGCATCCGTGG
ATTTAACACTGCTGGCCAATCTGCGTATCACCGAACCCACGCGTTTCTTCTGACCTGTGTGTCTGGTGA
GGCGGGAGCAGGGAGGAGCTCCGACGCTGGGGCCCGCCCTGCTGCTGGAAAAGGATGATCGCATAGTG
CGCACCTCCCACCCGGGCAGCCCTGCACCTCACTCGCAACGGTTCACACCAGGTACAGCTGCGGGGT
TCTCCAAGCCCTCGGATTTAGTAGGCGTCTTCTCCTGCGTGGTGGAGCTGGCAGGAGCCGACCTCGAGT
CCTCTATGTGCACAACAGCCCGGGGCACACCTGTTTCCAGACAAGGTACACACACCGGTGAACAAAGGT
GATACCGTGTGCTTTCTGCACGAGTGCACAAGGAAAAGCAGACTGATGTGATTTGGAAGAACAATGGAT
CCTACTCCATACCCTAGACTGGCATGAGGCCATGATGGGCGGTTTCAACTGCAGCTCCAAAATGTACA
GCCACCATCGAGTGGCATCTACAGCGCCACCTACCTAGAGGCCAGCCCTTGGGCAGTGCCTTCTTCGG
CTCATCGTGCAGGCTGTGAGGCTGGACGCTGGGGCCGGGATGTGTCAAGGATTGCCAGGCTGCCTGC
ATGGAGGTGTCTGTCATGACCACGATGGCGAATGTGTGTGCCCCCTGGATTCAGTGGCACCCGCTGTGA
GCAGGCCCTGCAGAGAAGGTGTTTTGGACAGAGCTGCCAGGAACAGTGCCAGGCACAGCAGGCTGTGCG
GGTCTCACCTTCTGCCTCCAGATCCCTATGGCTGTTCTTGTGGATCTGGCTGGAGGGGAAGCCAGTGCC
AGGAAGCATGTGCACCTGGTCATTTTGGGGCAGATTTGTCGCTCCAGTGTCAAGTGTCAAATGGTGGTAC
TTGTGATCGGTTCAAGCGCTGCGTCTGCCCTCCGGGTGGCATGGAGTCCACTGTGAAAAGTCAGACCGG
ATCCCCAGATCCTCAATGTGGCCACAGAGCTGGAGTTCAACTTAGGGACAATGCCCCGGATCAACTGTG
CAGCTGCCGGGAATCCCTCCCAGTACGGGGCAGCATGGAACCTCCGAAGCCAGACGGCACCATGCTCCT
GTCTACCAAAGCCATTGTGGAGCCAGATAGGACCACAGCTGAGTTCGAGGTGCCCGTTCGACTCTTGGG
GACAGCGGTTCTGGGAATGCCGTGTATCGACGCTGTTGGCCAAGATAGCCGGCGCTTCAAGTCAATG
TCAAAGTACCCCAAGTGCCTCTGACTGCACCTCGGCTCCTGGCCAAGCAGAGCCGCCAGCTTGTGGTCTC
CCAATGGTCTCCTTCGGTGGGATGGACCATCTCCTGTCCGCTGCACTACCGGCCCCAGGACAGC
ATGATTACCTGGTCTGCCATTGTGGTGGATCCCAGTGAGAAATGTGACATTAATGAACCTGAAGCCAAGGA
CAGGATACAACGTTCCGGTGCAGCTGAGCCGGCCAGGGGAAGGAGGAGAAGGAGCCTGGGTCTTCGAC



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TCTCATGACTACGGACTGTCCTGAGCCTTTGCTGCAGCCGTGGGTAGAGAGCTGGAACGTGGAGGGTCTT
 GACAGGCTACGGGTGAGCTGGTCTCTACCTCGGTGCCACTGTCTGGGGATGGTTTCTGCTGCGTCTGT
 GGGATGGGGCCCGGGGACAGGAGAGGGCGGGAGAACATCTCATCCCCCAGGCCCGCACTGCCCTCCTGAC
 TGGACTCACGCCTGGCACGCACTACCAACTGGATGTGCGGCTGTATCACTGCACCCTCCTGGGCCCTGCC
 TCACCCTCTGCGCATGTGCACCTGCCCTCAGCGGGCCTCCAGCTCCCCGCCACCTCCGTGCCAGGCC
 TCTCAGACTCTGAGATCCGTCTGATGTGCAGCATCCTGAGGCTCCGCTGGACCTATATCCAAGTACAT
 TGTGGAGATTCAAGTGGCCGGGGCTCAGGAGACCCTCAGTGGATGGATGTAGACAAACCCGAGGAGACG
 AGCACCACCGTCCGTGGTCTCAATGCCAGCACACGCTACCTCTTCCGTGTGCGGGCCAGTGTGCAGGGTC
 TCGGCGACTGGAGCAACACAGTGAAGAGACCAGCTGGGTAATGGGCTGCAGAGTGCAGAGCCAGTCCA
 AGAGAGCCGGGTGGTGAAGACGGTCTGGATCAGCAGCTGGTCTGGCTGTGGTAGGCTCCGTCTCTGCC
 ACCTGCCTCACCATCCTGGCTGCCCTTTAGCCCTGGTGTGTATCCGAAGAAGCTGCCTACATCGGAGAC
 ATACCTTACCTACCAGTCAGGATCGGGTGAAGAGACCATCCTGCAGTTCAGCTCAGGGACCTTGACATT
 GACCCGACGGCCAAAGCCACAGCCTGAGCCTTTGAGTTACCCTGTGCTGGAGTGGGAGGACATCACCTTT
 GAGGACCTCATCGGGAGGGGAACCTCGGCCAAGTGATCCGGCCATGATCAAGAAGGACGGACTCAAGA
 TGAACGCAGCCATCAAGATGCTGAAAGAGTATGCGTCTGAAAATGACCACCGAGACTTTGCAGGGGAAC
 AGAAGTTCTGTGCAAACTAGGACACCACCCAATATTATCAACCTCTGGGGCCTGTGAGAACCGAGGC
 TACTTGTATATTGCGATCGAATATGCCCGTATGAAAACCTGCTAGATTTCTGAGAAAAGAGCAGGGTCC
 TGGAGACTGATCCAGCTTTTGTCTGAGAGCATGGAACAGCCTCCACACTCAGCTCCCGGCAGCTGTGCG
 CTTTGCCAGTGATGCAGCCAACGGGATGCAGTACCTTAGTGAGAAGCAGTTTATTACAGGGACCTGGCT
 GCCCGAAATGTTCTGGTTCGGAGAGAACCTGGCCTCAAGATTGCAGACTTTGGCCTTTCTCGGGGGAGG
 AAGTATATGTGAAGAAGACGATGGGCCGCTTCTCTGTGCGTTGGATGGCCATTGAGTCCCTCAACTACAG
 CGTCTACACTACCAAGAGTGACGTCTGGTCAATTTGGGGTCTCCTCTGGGAGATAGTGCAGCTTGGAGGC
 ACGCCCTACTGTGGCATGACCTGTGCTGAGCTACGAGAACTGCCTCAAGGCTATCGCATGGAGCAGC
 CTCGAAACTGTGATGATGAAGTGTACGAGCTGATGCGGCAGTGTGCGGGACCGTCCCTATGAGCGCCC
 CCCTTTTGCCAGATTGCACTACAGTTGGGCCGATGCTGGAAGCCAGGAAGGCCTACGTGAACATGTCA
 CTGTTTGAGAACCTTACCTATGCAGGCATCGATGCCACAGCTGAGGAGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_053545
- Insert Size:** 3414 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_053545.1](#), [NP_445997.1](#)

RefSeq Size: 3848 bp

RefSeq ORF: 3414 bp

Locus ID: 89806

Cytogenetics: 5q36

Gene Summary: essential for vascular development and remodeling in the embryo; may mediate maintenance and repair of the adult vascular system [RGD, Feb 2006]