

Product datasheet for MR222502

Tie1 (NM_011587) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tie1 (NM_011587) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tie1
Synonyms: D430008P04Rik; TIE; tie-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222502 representing NM_011587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCTGGTGGGGATCCTCTTTGCTGCTCCCCACTCTTTTCTTGGCCTCTCATGTTGGTGGTCTGTTG
 ACTTAACATTGCTGGCCAACCTGCGCATCACAGACCCCGAGCTTTCTTCTGACCTGCGTGTCTGGTGA
 GGCCGGAGCAGGGAGGAGCTCGGACCCGCCCTGCTGCTGGAGAAGGATGATCGCATCGTGGCACCTTC
 CCGCCTGGGCAGCCCTGTACCTGGCACGAACGGTTCTACCAGGTCACGCTGAGGGGCTTCTCCAAGC
 CCTCGGATTTGGTAGGCGTCTTCTCCTGTGTGGTGGTGTGGCGCGGCGCACTCGAGTTCTCTATGT
 GCACAACAGCCCAGGGGACACCTGTTTCCAGACAAGGTACACACACCGTGAACAAGGTGACACTGCT
 GTGCTTTCTGCCATGTGCACAAGGAAAAGCAGACTGACGTGATCTGGAAGAACAACGGATCCTACTTCA
 ATACCCTAGACTGGCAAGAGGCCGATGACGGGCGTTTTCAACTGCAGCTCCAAAATGTACAGCCACCATC
 AAGTGGCATCTACAGTGCCACCTACCTAGAGGCCAGCCCTGGGCGAGTGCCTTTCTTGGCTCATCGTG
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 CAGGAGGGTCTTTTTGGACAGAGCTGTCAGGAACAGTGGCCAGGCACAGCAGGTTGTAGAGGTCTCACC
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 GTTCAGCGGCTGCGTCTGCCCTCTGGGTGGCATGGAGTCCACTGTGAAAAGTCAGACCCGATCCCCAG
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 CTCCTTTAGTGGGGATGGACCCATCTCCTGTGCGCCTGCACTACCGGCCCCAGGACAGCAGATTGCC



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TGGTCTGCCATTGTGGTGGATCCCAGTGAGAATGTGACATTAATGAACCTGAAGCCAAAGACAGGATACA
ATGTCCGAGTGCAGCTGAGCCGGCCAGGGGAAGGAGGAGAAGGAGGCTGGGGACCTTCTGCCCTTATGAC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222502 representing NM_011587
Red=Cloning site Green=Tags(s)

MVWVGSSLLLPTLFLASHV GASVDL TLLANLRITDPQRFFLTCVSGEAGAGRSSDP LLLLEKDDRIVRTF
 PPGQPLYLARNGSHQVTLRGF SKPSDLVGVFSCVGGAGARRRVLVYHNSPGAHLFPDKVTHTVNKGDTA
 VLSAHVHKEKQTDVIWKNNGSYFNTLDWQEADDGRFQLQLQNVQPPSSGIYSATYLEASPLGSAFFRLIV
 RCGGAGRWGPCKVDCPGCLHGGVCHDHDGECVPPGFTGTRCEQACREGRFGQSCQEQCPTAGCRGLT
 FCLPDPYGCSCSGWRGSQCQEACAPGHFGADCRLQCQCQNGGTCDRFSGCVCPSGWHGVHCEKSDRIPQ
 ILSMATEVEFNIGTMPRINCAAAGNPFVVRGSMKLRKPDGTMLLSTKVI VEPDRTTAEFEVPSLTLGDSG
 FWECRVSTSGGQDSRRFKVNVKVPVPLTAPRLLAKQSRQLVVSPLVSFSGDGPISSVRLHYRPQDSTIA
 WSAIVVDPSENVTLMNLKPKTGYNVRVQLSRPGE GEGGWGPSALMTTDCPEPLLQPWLESWHVEGPDRL
 RVSWSLPSVPLSGDGFLRLWDGARGQERRENI SFPQARTALLTGLTPGTHYQLDVRLYHCTLLGPASPP
 AHVHLPPSGPPAPRHLHAQALSDSEIQLMWQHPEAPSGPISKYIVEIQVAGGSGDPQWMDVDRPEETSII
 VRGLNASTRYLFRVRASVQGLGDSNTVEEATLGNGLQSEGPVRESRAAEGLDQQLVLAVVGSVSATCL
 TILAALLALVCIRRSCLHRRRTFTYQSGSGEETILQFSSGTLTLTRRPKPQPEPLSYPVLEWEDITFEDL
 IGENFGQVIRAMIKKDG LKMNAIKMLKEYASENDHRDFAGELEVLCKLGHPNIINLLGACENRGYLY
 IAIEYAPYGNLLDFLRKSRVLETDPFAREHGTA STLSSRQLLRFASDAANGMQYLSEKQFIHRDLAARN
 VLVGENLASKIADFGLSRGEEVYKKTMRGLPVRWMAIESLNYSVYTTKSDVWSFVLLWEIVSLGGTPY
 CGMTCAELYEKLPQGYRMEQPRNCDDEVYELMRQCWRDRPYERPPFAQIALQLGRMLEARKAYVNMSLFE
 NFTYAGIDATAEEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

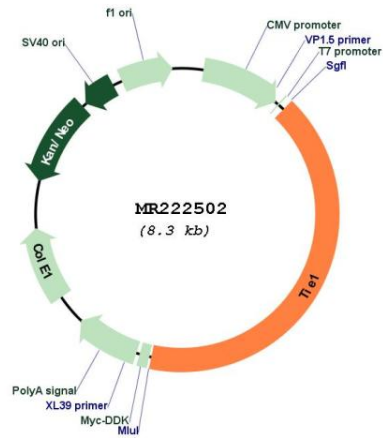


ACCN: NM_011587

ORF Size: 3402 bp

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|-------------------------------|---|
| 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: | <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_011587.2 , NP_035717.2 |
| RefSeq Size: | 3883 bp |
| RefSeq ORF: | 3405 bp |
| Locus ID: | 21846 |
| UniProt ID: | Q06806 |
| Cytogenetics: | 4 54.67 cM |
| MW: | 125 kDa |
| Gene Summary: | Transmembrane tyrosine-protein kinase that may modulate TEK/TIE2 activity and contribute to the regulation of angiogenesis.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR222502