

Product datasheet for **RR213459**

Terf2 (NM_001108448) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Terf2 (NM_001108448) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Terf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213459 representing NM_001108448
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGGAGGAGCGGGAGCAGCGACAACGGCGGGAGGGCGCGCAACCGCGCAGCATCGCGCAGCGCGG
 GGAGGGCTCGACGGGGCGGCACGAGCCGGGGCTGGGAGGCGCGCAGAGCGGGCGCGGGGAAGCTCG
 TCTGGAGGAGGCGGTCAACCGCTGGGTGCTCAAGTTCTACTTCCACGAGGCGCTGCGGGCCTTTCCGAGT
 AGCCGGTACCGGACTTCAGGCAGATCCGGGACATCATGCAGGCGTTGCTTGTGTCAGGCCCTTGGGGAAGG
 AGCATACGGTGTCCCGTTGCTGCGGGTTATGCAGTGTCTATCGCGCATTGAAGAAGGAGAAAAATTTAGA
 CTGTTCCCTTTGATATGGAGGCCGAGCTCACACCCTGGAGTCAGCTATCAATGTGCTGGAGATGATTA
 ACAGAGTTCACACTGACAGACTCAATGGTTGAATCCAGCAGGAGACTGGTGAAGGAGGCTGCTGTCATTA
 TTTGTATCAAAAAAAAAGATTTGAAAAGGCTTCAAAAAATTTGAAAAATACATGTCCAAGGACCCAC
 AACTCAGAAAGTAAGAACTGATCTCCTGAACATTATCCGGGAAAAGAACTGGCTCACCTGTTATCCAG
 AACTTTTCTACGAGATCTTCCAGCAGAAGATGTTGCGCTTCTGGAGAGCCACCTGGATGACACGGAGC
 CCTACCTCCTCAGATGGCTAAAAAGCTTTGAGATCAGAATCAGCTGCTTCAAGTACAATGAAGGAGGA
 AAAGCACACAGAGCCAGTGGAGAAACACTCAGAGAGCCTCCACGACAGCCTCGGAACCTCCAACCACC
 ATCGGACTCAGGACAGTGAAGGCAGCTTCAAAGCTCTGTCTACTGCACAAGACTCAGAAGCGGCTTTTG
 CAAAATGGACCAGAAAGATCTGGTACTTCTAACCTAGCATCCCCATCATCACCAGCCACAAAAACAA
 GAGACCCAGGAAAGATGAAAATGAAAGCTCAGCTCCTGCTGAGGGTGAGGGAGGCTCAGAACGACAGCCC
 AGGAACAATCGCATGACAATAAGCAGATTGGTGTGGAGGAGGACAGCCAGAGTTCTGAGCCAGCCAG
 ACCTCAATTCCTCCCGCAGGCTTATCAGCATCACCATCCAAGCCAGAGCTCTCAACCAACCCACAC
 AGGGGAGAAGAATCCCAAAGCATCGAAAAGCAAGTGGAACAGCCCTAACGGGCTTGAAGAAAAGGAAGTT
 TGGTCGGAAGAGGACCAGCTGTTTGAAGTGCGGGCACCAGGTGAAGACAAGTCATCCAATTTAGCAAGAA
 AGCAGAAGTGGACCATAGAAGAAAGCGAGTGGGTGAAGGATGGAGTGCAGAAATACGGGGAAGGAAACTG
 GGTTGCCATTTCTAAAAGTTACCCTTTGTTAACCGAACAGCTGTGATGATTAAGATCGCTGGCGGACC
 ATGAAAAAACTTGGCTTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213459 representing NM_001108448
 Red=Cloning site Green=Tags(s)

MAGGGSSDNGGRAANRRASRSGGRARRGRHEPGLGGAERGAGEARLEEAVNRWVWKFYFHEALRAFRRS
 SRYRDFRQIRDIMQALLVRPLGKEHTVSRLLRVMQCLSRIEEENLDCSFDMEALTPLESAINVLEMIK
 TEFTLTDSMVESSRRLVKEAAVVICIKNKEFEKASKILKKYMSKDPPTQKVRTDLLNIIREKNLHPVVIQ
 NFSYEIFQKMLRFLESHLDDTEPYLLTMAKKALRSESAASSTMKEEKHTEPVEKPLREPPRQPRNPPTT
 IGLRVTKAAAFKALSTAQDSEAAF AKLDQKDLVLPNLASPSPTHKNRPRKDENESSAPAEEGGGERQP
 RNNRMTISRLVLEEDSQSSEPSPLNNSRQALSASPSKPRALNQPHTGEKNPKASKDKWNSPNGLEEKEY
 WSEEDQLFEVRAPGEDKSSNLARKQKWTIEESEWVKDGVQKYEGGNWVAISKSYFPVNRATAVMIKDRWRT
 MKKLGLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001108448

ORF Size: 1491 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_001108448.1](#), [NP_001101918.1](#)

RefSeq Size: 1982 bp

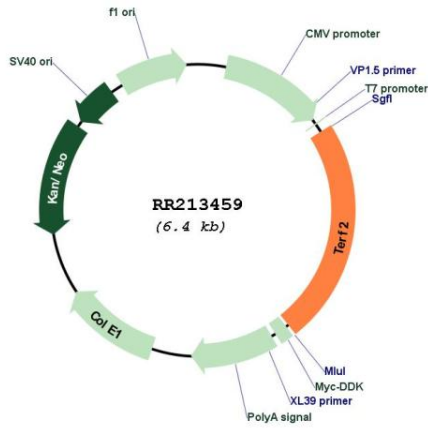
RefSeq ORF: 1494 bp

Locus ID: 361403

Cytogenetics: 19q12

MW: 56.1 kDa

Product images:



Circular map for RR213459