

Product datasheet for **RR209573**

Tcp10b (NM_001107461) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcp10b (NM_001107461) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcp10b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209573 representing NM_001107461
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGTTAGAGGACCAGAGTCAGGGAGGAGGAGGCCCAACAATGAGAAGAAGAAGATGGAGGCCAAAGCCC
 AGGCCCTGGGGAGGACAGCAAGACTGATGAGGTTGTGGGCTGCAGAAGCAGATCTCTGACCTTGGGAC
 AGAACTACAAGACAGTCATCATGGTGGTGCCTAGCTCACAAGACCTCCAGAGTCAGATCGATGCTCTG
 ATAAAGGAGAACCAGGAGATCCGTGCAGAGTTGCAGACCTTGAAGAAGCAGGACTCGGAGGCCCAAAAG
 CCCCTACAGCCTCACCATCCCCGCCAACAGCGACCAACACTCTGGTACAGCAGATTTTCTGCATTACGGA
 GATAGCAGCATACGAAGGATGCACCTCCCATGTAGGCACAGTCTCCACTGGGTACCCCGTGAGGGCTTA
 ACGATTATAAATCACACAGAAGTACAGTAAGTCTGACTCAGCCTTCTGGGAGCCCCAGGGAGAACAT
 TGTACATACGGATAGAGGGGATGGATTCTGAGAAAACAACATCATGGGATGAAAGAGATGACGCGCCTTC
 TGGAGTCTCAAACGGGAGTACAATGGCCACCGGAGGAACAGACTCTCTGGAGGAAAGACTGTCTTTT
 ACATCTTTAGATGAAAAGTTATACACATGTCTTCCAAATTTCTGCAAAGAGGCTTTGGCAGACTGTCAC
 CAGAACCCTTTCTGACAGCACATTCTGGACACAGAGTACCGGCTGATATCTGGTCTTCCAATCCAGA
 CACTTCAGAAGGTGAGATTCTCCTGCAGGCCGAGCAAGCAGGGTCTCCCTTGTTCCTCCCGAATGCA
 GTGTGGCTGCAGGTGGAGCGGTTGCTCAGTGACGGGCGAACTATCATCACCTTCCCAATGGGACCAGGA
 AAGAGATCAGTGCTGACAAGAAGACCACCGTCATCAAGTTTTTAATGGTGACATGAAGAAGGTCAAGTC
 CGATCAGAGAGTGATTTATTATTATGCGGACGCTCAGACGACGCACACAACTACCCAGATGGTGTGAA
 GTTGTGCAGTTTCTACAAGTGGACTGAAAAATTCTACCCGGATGGCTCCAAGGAAACCGTGTTCCTG
 ATGGGACAGTGAACAGCTCAAGGATGGATGTGAGGAGACTGTGTTCCCGATGGGACATTTGTGACAGT
 GAAAAGGAATGGAGACAAAACCATCATGTTTCAGCAACGGACAGAAAGAAATCCACACAGCCAGGTTCAAG
 CGGAGGGAATTCCAGATGGCACCACCAAGACGGTGTACTGCAATGGCTGCCAGGAAACCAAGTATGCCT
 CAGGGAGGATCAGAGTCAAAGACGAGACGGAAGTGTATCTGGACTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209573 representing NM_001107461
 Red=Cloning site Green=Tags(s)

MLEDQSQGGGPNNEKKMEAKAQAPGEDSKTDEVVGLQKQISDLGTELTRQSSWWCVAHKDLQSQIDAL
 IKENQEIRAEQLTKKQDSEAPKAPTASPSPTATNTLVQQIFCITEIAAYEGCTLPCRHLHWVPREGL
 TIINHTELTVPDSAFLLGAPGRTLYIRIEGMDSEKTTSDERDDAPSGSPQNGSTMATGGTDSLEERLSF
 TSLDEKVIHMSSKFLQRFGRLSPEPLSDSTFLDTESPADIWSSNPDTSEGEILLQARASRVLPFPNA
 VWLQVERLLSDGRTIITFPNGTRKEISADKTTVIKFFNGDMKKVKSQQRVIYYADAQTHTTTPDGVE
 VVQFPNWKTEKFPDGSKETVFPDGTVKQLKDGEETVFPDGTFTVKRNGDKTIFSNQKEIHTARFK
 RREFPDGTTKTVYCNGCQETKYASGRIRVKDETGTVIDWK

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001107461

ORF Size: 1383 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_001107461.1](#), [NP_001100931.1](#)

RefSeq Size: 1386 bp

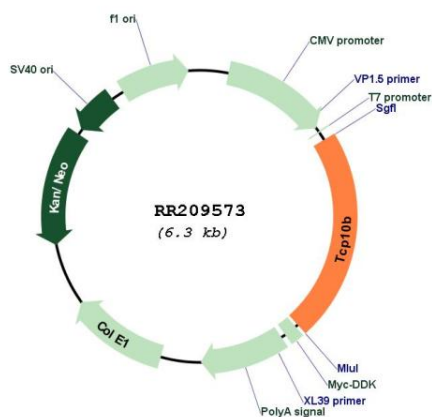
RefSeq ORF: 1386 bp

Locus ID: 308169

Cytogenetics: 1q12

MW: 51.3 kDa

Product images:



Circular map for RR209573