

Product datasheet for **RR213475**

Tcp11I2 (NM_001017458) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcp11I2 (NM_001017458) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcp11I2
Synonyms:	RGD1307494
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213475 representing NM_001017458
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTTTCAACGGTGAGAAGCAATATGTGAACGAGGACCAACAGAGTGATTCAGAGTCTTCTCGTCTTCT
 CTGAAAGTACGGCTTCCCTCAGTACTACGGGTGTTCCAGACAAAGCTTACCAGCGATTCTCCAGCAA
 ATCCAGCTCTCCTGCCTCAACAAGCCCTCCCGGGGCATAATGTTTCGATGACGTGATGGCTGCAGCAAAG
 AACTTATCAGACATGACTCTGGCTCACGAAATAGCTGTAACGAGAACTCCAGCTGAGGCCAAACGCTC
 TCCAGAGAACAGCCTGGCTGGTCAAGTGAAGCGTGTGTTTACCAGGCCTTCTGGGACGTCTTGAAGC
 GGATCTCAGTGTGAGCCTCCCCAGTATGAATACGCCATCAAAGTGTGAAAGAAATCAGAGAGATTCTT
 CTCTCTTTCTCACTCCTGGCGGAACAGGCTTACAGCCAGATCTGTGAAGTTTGGACATCGATCTCA
 TTAGGCAGCAGGCCGAGCACAGTGTGATATCCAAGGTCTGGCCAACTATGTCATCAGCAGATGGG
 AAAGATATGTGCTCCTGTGAGAGACGAAGACATCAGAGAGCTGAAAGCTACTACCAACATCGTGGAGATG
 CTGAGACAAATCTCCGTGTCTTGGACCTCATGAGAATGGACATGACAAATTTTCGTCATTAGGAATTA
 GACCGCACATCCAGCACCATTGGTGGAAATACGAGAGAAACAAATTCAGGAAGTTCTAGAAGAAATCC
 AAATGCCCTCAGTCAAACCACGGAATGGCTAAAAGAGTCCATAGATAAAGAATTATTTTCTGAGACTGAT
 GTAGCTCCTGGAGCTGAACACAGCTCCACACCAAGCCTAAGCCCTCTGACGGTGTAAACAATTGTTACT
 TGAAACTCCTCAGTGGGATTATCAGAAAAACGCTTACCAGAGACACTCATGACAGATGGACCACGGCT
 TCAGGAAGTACAGAAAAAGCTCAATCAATTGAAGATGATCGCCTGCGTGTCCCTAATTACCAACAACATG
 GTGGGTGCTGTTACAGAAGGCCCTGCCTGAGCTTGCAACAGGTTAAAAAGGATCTCAGCTGTTCTGCTCG
 AAGGACTGAGTAAACAGACCTTTAACTGAAGGAGGCCCTGAACCTATTGGTGTTCAGACTGTGCTGA
 AGTTAATAAGGCCCTGAAAGAGAGAGGCTCGCCACCCTAAATGCTGAGGTTCAAGCTAATCTTGTCCGGT
 CAGTTCACAAGCCTTGAAGAGAAGGACAATCCAGTCTGTGCCTTATGGATAAACGGATCCAGTTGTACA
 TGAAGAGCCTGCTCTGTCTTCCAAGCACTCAGAAGAGCAGGCCTCCTGTGCCAGGTGGCCTTGTATGAT
 TCAGCAGGAGCTGGAAGTGTGGCTGCCAGTATGCAACATCGTGAATCTCAACAAGCAGGTGTATGGA
 CCTTTTATGCAATATATCCGAAAGCTGCTCTCCGGATGAAGCCATGGGGAAGATAGATGCTTAC
 TTCCTACCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213475 representing NM_001017458
 Red=Cloning site Green=Tags(s)

MPFNGEKQYVNEDQQSDSESSRFSESTASLSDYGCSRQSFSDSSSKSSSPASTSPPRGIMFDDVMAAAK
 NLSMDTLAHEIAVNENFQLRPNALPENSLAGQVKRVVHQAFWDVLEADLSAEPQYEAIAIKLFEEIREIL
 LSFLTPGGNRLHSQICEVLDIDLIRQQAHSVVDIQGLANYVISTMGKICAPVRDEDIRELKATTNIVEM
 LRQIFRVLDLMRMDMTNFVIRNIRPHIQHHLVEYERNKFQEVLEETPNALSQTTEWLKESIDKELFSETD
 VAPGAHSSTPSLSPLTVLNCCYLKLLQWDYQKNVLPETLMTDGPRLQELTEKLNQLKMIACVSLITNMM
 VGAVTEGLPELANRLKRISAVLLEGMKQTFNLKEALNSIGVQTCAEVNKALKERGSPTLNAEVQANLVG
 QFTSLEEKDNPVCALMDKRIQLYMKSLCLPSTQKSRPPVPGGLDVIQQELEVLCQYANIVNLNKQVYG
 PFYANIFRKLFRDEAMGKIDASLPTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001017458

ORF Size: 1551 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_001017458.1](#), [NP_001017458.1](#)

RefSeq Size: 2293 bp

RefSeq ORF: 1554 bp

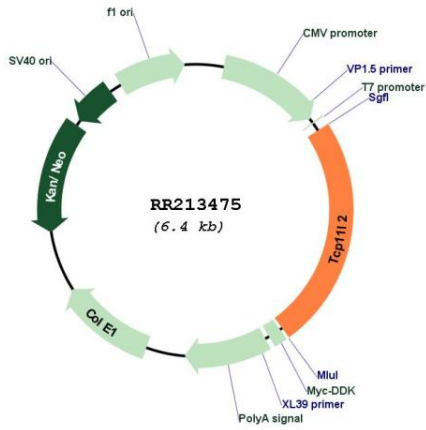
Locus ID: 314683

UniProt ID: [Q568Z0](#)

Cytogenetics: 7q13

MW: 58 kDa

Product images:



Circular map for RR213475